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INTRODUCTION

This report is a compilation of information that details the activities of the Petroleum Resources Division and the petroleum industry during 1982. It follows the format of previous publications entitled Summary of Operations. A summarized version will be included in the 1982 Annual Report of the Ministry of Energy, Mines and Petroleum Resources. The information contained in this report is made available at this time to provide an early release of compiled data to the industry and other interested persons.

This report is divided into three sections (1) Petroleum Resources Division Organization, (2) Review of Industry Activities, and (3) Highlights of Division Activities. In addition, there is a series of tables and illustrations providing important information on the petroleum industry operations in 1982.

For the first time, some limited references are made to geothermal operations in the Province which are administered by the Division.

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DIVISION ORGANIZATION

The Petroleum Resources Division, under the general direction of a Assistant Deputy Minister, administers the *Petroleum and Natural Gas Act*, the *Geothermal Resources Act* and the regulations made thereunder including the Drilling and Production Regulations, the Geophysical Regulations, the Drilling Licence Regulations, and the Development Road Regulations. It also administers the *Petroleum Underground Storage Act* and when passed, will be responsible for the Geothermal Drilling and Production and Administrative Regulations. Therefore, the Division is responsible for all matters related to the disposition of Crown-owned rights as well as the regulation of the exploration, development, and production phases of the petroleum and geothermal industries.

The Division is made up of four Branches, namely, the Engineering and Operations Branch, the Geological Branch, the Titles Branch, and the Offshore Administration Branch.

ENGINEERING AND OPERATIONS BRANCH

The Engineering and Operations Branch, under a Director, is responsible for all engineeering and operational activities of the Petroleum Resources Division.

There are four main functions:

(1) Enforcement of the Drilling and Production Regulations under the *Petroleum and Natural Gas Act and Geothermal Resources Act* together with provision of advice to the Minister with respect to applications made by industry under the Acts.

(2) Collection, filing for Division and public use, and publication of drilling and production statistics, production and disposition data, reservoir, and pool performance data.

(3) Reservoir analysis of all pools in the Province, including maintenance of current production rate forecasts together with data concerning reserves discovered to date and estimates of potential reserves growth.

(4) Providing advice to other government agencies on petroleum and geothermal industry matters.

The Development Engineering Section, under the supervision of the Senior Development Engineer, licences drilling and service rigs, issues well authorizations, and maintains detailed records pertaining to all drilling and production operations.

The Reservoir Engineering Section, under the Chief Reservoir Engineer is concerned with all reservoir engineering aspects of the Branch's activities. The Section is responsible for determination of reservoir and production characteristics of pools in the Province. This involves interpretation of reservoir pressure, rock and fluid properties,

and production data. These parameters are used to forecast ultimate recoveries obtainable from accumulations in the Province, and the rates at which these volumes will be produced. The Section sets oil and gas allowable rates and studies, promotes, and deals with industry recommendations concerning improved recovery schemes.

The District Office (Drilling and Production Section) located in Charlie Lake is under the Manager - Field Operations. The District organization consists of a field inspection group, a project and geophysical group, a core storage group, and secretarial staff. The District represents the Petroleum Resources Division in the field and is responsible for enforcement of regulations in drilling and production operations and liason with industry and other Ministries. It also collects reservoir and other data, carries out studies of operating procedures, and maintains core and drill sample storage and examination facilities.

GEOLOGICAL BRANCH

The Geological Branch, under a Director, is responsible for all geological and related activities of the Petroleum Resources Division.

The Branch is accountable for the collection, assessment, and compilation of geological and geophysical information concerned with the exploration for and the development of petroleum and geothermal resources within the Province; assisting in the framing of development procedure to ensure conservation and the best returns from these resources; estimating the undiscovered potential of the petroleum and geothermal resources base; and providing data and advice to attract, assist, and encourage industry exploration and development activity.

The Economic Geology Section, under the supervision of the Economic Geologist is responsible for the co-ordination of projects concerned with the assessment of the potential petroleum and geothermal resource base.

The Geophysical Section, under the supervision of Senior Geophysicist, follows a procedure of integrating geophysical data with available geological assessment work and providing technical opinion on geophysical matters.

The Reservoir Geology Section, under the supervision of the Senior Reservoir Geologist, is concerned with the detailed geologic evaluation of developed and developing oil and gas reservoirs.

TITLES BRANCH

The Titles Branch consists of three sections under the direction of the Commissioner. The Branch is responsible for administering those parts of the *Petroleum and Natural Gas Act* and essential regulations relating to and affecting title to Crown petroleum and natural gas rights. In addition, the Branch administers the Crown petroleum and natural gas rights disposition held during each year.

The Lease Administration Section, under the Manager, Land Administration, is responsible for the issuing of petroleum and natural gas permits, leases, drilling licences, etc. The Section is also responsible for recording transfers of title as well as encumbrances that are received and approved. In addition, geophysical licences, notice of commencement of exploratory work, affidavits of work, and unit agreements are approved and processed. The Manager, Land Administration is the representative on the Omineca/Peace Regional Resources Management Committee for the Ministry.

The Revenue Section, under the Senior Accounting Clerk, is responsible for the collection and accounting of all petroleum and natural gas revenue payable to the Crown under the provisions of the *Petroleum and Natural Gas Act* with the exception of royalties and natural gas revenue from sales. The Section also receives and accounts for security deposits that are required under the Act or regulations.

The Draughting Section under the Senior Draughting Technician, is responsible for preparing and updating, on a continuing basis, all scales of title maps, including plats which are affixed to each title document, seismic road and trail maps, and petroleum development road maps. The Section is also responsible for the preparation of maps used at the dispositions of petroleum and natural gas rights and for miscellaneous draughting requirements as required.

Effective with the passage of the *Geothermal Resources Act* in June 1982, the Titles Branch also became responsible for the disposition of rights to explore for geothermal resources. This responsibility includes the administration of the pertinent sections of the Act and associated regulations that deal with obtaining and retention of geothermal permits and leases.

OFFSHORE ADMINISTRATION BRANCH

The Offshore Administration Branch, under a Director, develops British Columbia's policies on offshore oil and gas activities, and coordinates the preparation and planning in this Ministry and others in anticipation of the resumption of exploration on the British Columbia westcoast.

THE PETROLEUM INDUSTRY IN 1982

The downturn of petroleum industry activity in British Columbia which started in 1981 continued at an accelerated rate in 1982. This applied to all phases of the industry, and data for drilling, production, geophysical work and land acquisition are given under the respective headings of this Section.

Fiscal data for 1982 are as follows:

Value of Production

	$
Crude Oil	333 892 930
Field Condensate	3 337 069
Marketable natural gas	542 664 470
Gas plant liquids	33 008 086
Total	912 902 555

Provincial Revenue from the Petroleum Industry

Rentals and fees	31 126 284
Crown reserve dispositions	16 724 133
Oil royalties collected by Ministry	76 180 767
Gas royalties collected by B.C. Petroleum Corporation	155 000 000
Total	279 031 184

During 1982 activity continued to be adversely affected by economic factors especially the reduced export market for natural gas and industry's projection of inadequate return on drilling and production operations due to government pricing and taxation policies. Steps were taken by the British Columbia government to alleviate this situation by supporting proposals for the future manufacture and export of liquid natural gas, petrochemicals and fertilizers and by organizing a study group to recommend on the institutional and financial frameworks required to stimulate gas sales and industry activity. However, a solution to present-day problems will be difficult to achieve in this short term.

DRILLING

The severe decline of all activity related to drilling operations continued during 1982. An average annual decrease of over 50 per cent was experienced in every phase, which is slightly greater than the drop noted in 1981. No short term recovery is predicted or expected. The number of wells dropped 48 per cent to 108 and well authorizations issued were down 53 per cent compared to 1981. Overall meterage drilled was 204 874.3, down 50 per cent. The exploratory type drilling suffered a greater decline than development type. Wells classified outpost were

58 per cent off the 1981 total while wildcats were down 53 per cent and development only 35 per cent. However the reverse was reported for 1981 so over the two-year period the total declines were similar. Overall, in the past two years drilling has declined 70 per cent since the peak year of 1980. Oil completions in 1982 duplicated the 27 for 1981 but gas completions and abandonments dropped 54 per cent to 46 and 39 respectively. In 1982 drilling operations were conducted at two geothermal wells located in the Meager Creek area. One well's drilling program was completed to 3502.6 metres and another was drilled to 3500.0 metres. The geothermal potential of these wells was still being investigated at year end.

PRODUCTION

Oil production made a minor gain compared to 1981 to 2 078 257.5 m^3, up a modest two per cent. The number of producing oil wells at the end of 1982 was 633, greater by 42 than at the end of 1981. The largest producing oil fields were Boundary Lake 714 977.4 m^3; Eagle 503 295.4 m^3; Inga 158 186.7 m^3; and Peejay 130 215.6 m^3. Eagle was for the third consecutive year, the only major oil field that recorded an increase over the previous year.

The non-associated raw gas production for 1982 was 7 406 014.2 10^3m^3 down 7.3 per cent from 1981. Declining strength in the export market to the United States was the principal cause of this decrease. The gas field with the greatest production was Yoyo, 1 039 534.0 10^3m^3, followed by Sierra, 985 355.1 10^3m^3; Clarke Lake, 657 796.3 10^3m^3, Laprise Creek, 429 090.6 10^3m^3. The most significant changes in gas production volumes were a 22 per cent gain in the Sierra field and a 30 per cent decline in Clarke Lake. The other two principal gas fields reflected the overall trend for the Province as Yoyo dropped 14 per cent and Laprise Creek 18 per cent.

Three applications by industry to convert wells to salt-water disposal service were approved in the Louise, Blueberry, and Ft. St. John fields.

An application for Good Engineering Practice (GEP) was approved in the Inga Inga 'B' pool. An application for concurrent production of oil and gas was approved for Cecil Cecil 'B' pool contingent on the conservation of gas production. One application for downhole commingling of gas production from Bluesky and Dunlevy zones was approved for the well PEX et al Buick b-44-F/94-A-14. The Weasel Halfway Unit No. 3 became effective 1982 04 01 and the remaining condition of the concurrent production approval of 1978 was satisfied. West Eagle Unit No. 1 was expanded effective 1982 07 01. These schemes are detailed on Table P4.

The industry submitted three common purchaser applications to the British Columbia Utilities Commission to have the British Columbia Petroleum Corporation declared a common purchaser of natural gas in the Silver Bluesky 'A' pool, Willow Halfway 'A' pool, and the Fireweed Dunlevy 'A' pool. The Ministry Staff assisted the British Columbia Utilities Commission by conducting cross-examination of applicants and intervenors on technical evidence presented at the public hearings and making recommendations to the Commission concerning the disposition of the applications with supporting analysis of the evidence.

An application for new oil royalty rates for incremental production from an upgrading of the waterflood in Inga Unit No. 1 was approved with the agreement of the Mineral Revenue Division. Royalty on total production will be levied according to the old oil schedule until a specified volume of oil has been produced and, thereafter, royalty will be levied on total production according to the new oil schedule.

Operators of the Belloy oil wells in the Eagle field and Stoddart South field implemented gas conservation schemes for Section 24, Township 84, Range 19 and Section 29, Township 85, Range 15 respectively by mid-year.

FIELD ACTIVITY

During 1982 activities related to the petroleum industry were at low levels and no new project of any significance was undertaken during the year.

No uncontrolled blow-outs occurred during the year, however several incidents did happen which are worthy of mention. While drilling just under the surface casing shoe at Remington S Grassy d-54-A/94-G-6 severe lost circulation was encountered. The operator requested permission to drill without returns as numerous attempts had been made to heal the lost circulation problems, and once a competent casing seat had been obtained then a string of intermediate casing would be run. The District Office requested the operator to investigate the topography surrounding the well site to determine whether any of the material which had been pumped into the well had found its way to surface. The subsequent scouting indicated that lost circulation material had indeed surfaced along the banks of the Sikanni River, some 1 1/2 miles from the drill site. As the material used to combat lost circulation was essentially cement, with the exception of two diesel gel plugs, it was concluded with agreement of the Fish and Wildlife Branch, that no serious environmental problems had been created. Intermediate casing was successfully run at 750 m and surface problems were eliminated.

The second incident occurred at Remington Sikanni d-73-I/94-G-3. While drilling in the interval 1380 - 1400 m, several drilling breaks along with substantial lost circulation problems were encountered. It appeared that some gas was present but did not pose a serious problem. To determine the extent of the gas the operator chose to open hole test this interval. Upon testing, gas rates of nearly 600 10^3m^3 per day were recorded. When the testing packers were unseated, the well commenced to flow up the annulus. The flow was diverted to the flare pit while sufficient kill mud was mixed. Killing operations were successful and intermediate casing was run to contain this productive zone.

During 1982 several oil spills and production equipment fires occurred. An apparent 900 m^3 of oil was lost from the Norcen Pipeline, C.D.C. Weasel lateral. The line break was discovered on the crossing of West Milligan Creek by means of an unsuccessful pressure test on the lateral. Recovery of oil amounted to only 250 m^3 and due to concern for West Milligan Creek and downstream water users, orders were given to burn the remainder of the crude oil.

A less serious spill occurred at Amoco Inga 16-12-87-24 where an estimated 60 m^3 oil spill occurred around the wellhead when the large walking beam of the pump jack fell off its supports and onto the wellhead stuffing box. Due to the cold ambient temperature the oil simply piled up around the wellhead and was all recovered.

A dehydrator fire at Texaco Nig b-2-G/94-H-4 completely destroyed the unit. The interesting aspect of this was that once the absorber tower was dismantled and inspected, it was discovered that a 1/4" test plug was missing from the bottom shell of the tower. From the amount of rust and scale around the plug hole it would appear that leaking had occurred for some time, and when the plug finally failed, it caused a spark which resulted in the fire. The results of this investigation prompted Texaco Canada Resources to inspect all dehydration units they have in service for faulty or leaking test plugs.

During 1982 Inverness Petroleum Ltd. successfully completed negotiations with the Doig River Indian Band, which would allow them to tie in their well Inverness Buick d-46-I/94-A-11 into the Kildonan Buick Creek oil battery for continuous oil production. Due to the proximity of the Indian village and the toxic nature of the produced gas, Inverness was required to equip their well with the same standard of fail-safe devices which had to be installed by Kildonan before production from their wells could be approved. After an inspection of the Inverness facility had satisfied the Division that all required subsurface and surface safety shut down and alarm systems were in place and operable, permission was given to Inverness to produce into the Kildonan battery.

EXPLORATION AND DEVELOPMENT

Drilling effort in the Province decreased dramatically in 1982, to a total of 108 wells, compared to 211 wells in 1981. This amount of drilling was a reduction of 48% from the previous year and continues the trend started in 1980. The reasons for this continuing decline are the same as for the previous year, in particular marketing and pricing problems, and are a reflection of the general economic recession. These factors have resulted in a decreased cash flow to the operating companies, limiting the drilling effort to commitment wells, deliverability wells to protect existing contracts, and oil wells which can provide an immediate addition to cash flow.

Other than one well in the Chilcotin area, all the drilling took place in the northeastern area of the Province. The most active area was the Fort St. John Area, where activity attempted to extend established oil reserves. Many of the successful wells qualified for the New Oil Reference Price (N.O.R.P.) under the Federal-Provincial Petroleum Incentive Program Agreement. Drilling activity in the area northeast of Fort Nelson, and the "Deep Basin" area south and west of Dawson Creek achieved reasonable success, slightly more than half being completed for minor reserves of natural gas. Minor drilling in the Foothills belt, north of the Peace River culminated in several successful gas completions. These successes had notable results but require development drilling before their full significance is known.

Exploratory drilling declined by 57 per cent from 149 wells in 1981 to 64 in 1982. This drilling had 34 successful wells for a success ratio of 58 per cent, and the successes were classified as 4 new oil discoveries, 22 new gas discoveries and 8 outpost completions to established pools.

Development drilling again recorded a decrease from the previous year, with only 45 wells drilled compared to 62 in 1981, a reduction of 27 percent. Out of the 45 wells 30 were completed, 19 as oil and 11 as gas for an overall success ratio of 67 percent.

Almost half of the 1982 development drilling was directed to establishing wells which would qualify for the New Oil Reference Price (N.O.R.P.) under the Federal-Provincial Incentive Program Agreement. N.O.R.P. drilling included 7 for Belloy oil in the Eagle-Stoddart area, 2 for Baldonnel oil in the Birch area, 2 for North Pine oil in the Cecil area, and 2 for Halfway oil in the Peejay area. Others were single attempts in such locations as Boundary Lake, Buick, and Two Rivers.

Development gas wells were not concentrated in any particular area but involved single attempts in scattered areas as far apart as Bougie (94-G-15), Dahl (94-H-7), and Helmet (94-P-7).

The overall drilling success ratio for the year was 64 per cent with 70 completions out of the 108 wells drilled. This unusually high success ratio is a function of two factors. A large portion of the wells were located close to established reserves, and operators restricted their drilling to the most favourable locations, to enhance success and thus ensure prompt cash flow.

Seismic activity, expressed in geophysical crew weeks was down considerably. The 112 crew weeks worked during the year is a mere 40 per cent of 1981 work. With geophysical activity being the leading indicator of exploration activity, this reduction indicates an even lower rate of drilling activity will occur in 1983.

The seismic effort was spread over the northeast corner of the Province with a minor concentration in the Fort St. John Area. An exception was a short program in the Fernie Basin area, in the southeast corner of the Province.

LAND DISPOSITION

There were five dispositions of Crown reserve petroleum and natural gas rights held during 1982 with a total of 169 parcels being offered. Of this number, bids on 123 parcels consisting of 13 permits, 16 drilling licences and 94 leases were accepted, covering 166 441 hectares. The five dispositions realized a total of $16,724,133 in tender bonuses received. A comparison with the previous three years is as follows:

Year	Parcels Offered	Parcels Disposed	Total ha	Tender Bonus $	Average Price Per ha $
1979.....	741	589	500,796	191,041,605	381.48
1980.....	735	558	441,297	181,266,804	410.76
1981.....	443	316	599,208	60,776,403	101.43
1982.....	169	123	166,441	16,724,133	100.48

The 1981 figures include nine parcels covering 283 014 hectares of petroleum and natural gas rights on the Queen Charlotte Islands, which were disposed of for an average price per hectare of $0.18.

HIGHLIGHTS OF PETROLEUM RESOURCES DIVISION ACTIVITIES

This section describes the highlights of both the technical and administrative work carried out by the Division during the year.

LEGISLATION

Legislation of significant consequence to the Petroleum Resources Division became operative in June 1982 when the *Geothermal Resources Act* was proclaimed. The intent of the statute is to provide the private sector with the opportunity to explore and develop geothermal resources in British Columbia. The Act is modelled in many ways on the Province's long and successful experience with oil and gas development. The new legislation makes provision for the disposition of geothermal resources rights, and establishes regulations to best serve the interests of the Province.

In addition to the above legislation, two significant updates to the Drilling and Production Regulations were passed by Order-in-Council. These were a modernization of safety measures for electrical installations on drilling rigs and camps and a re-definition of the classification of wells as development or exploratory wells. Other modifications were of a minor or housekeeping nature.

Two sets of regulations were drafted under the new *Geothermal Resources Act*, the Drilling and Production Regulations and the Administrative Regulations. These were passed by legislative counsel and will be submitted for approval by the government early in 1983.

MEDIATION AND ARBITRATION BOARD

The composition of the Board for 1982 remained as it was in 1981. That is D. (Ed) Smith, Chairman; Cecil Ruddell, Vice Chairman; and John Martin and John Strain, Members.

The Mediation and Arbitration Board is established under Part 3 of the *Petroleum and Natural Gas Act*. Its authority and powers are covered by Sections 6 to 32 inclusive. These sections empower the Board to:

(a) Grant Rights of Entry to oil and gas companies over alienated lands where such Right of Entry has been refused by the landowner.

(b) Determine conditions for Right of Entry and set compensation to be paid therefor.

(c) To appoint a Member of the Board to act as a Mediator between a petroleum company and a landowner when an impasse develops respecting Right of Entry.

(d) Convene an Arbitration Hearing, if Mediation proves unsuccessful, by receiving exhibits and hearing evidence from both Applicant and Respondent prior to determining the compensation for Right of Entry respecting wellsite, campsite, roadway, and/or flowline installations.

(e) Conduct Arbitration Hearings to review and set annual rental on leases and previous Board Orders of more than five year's duration when requested.

(f) Terminate Rights of Entry when an operator ceases to occupy land and a Certificate of Restoration has been issued by the Ministry. To amend or rescind Orders from time to time, as circumstances and conditions dicate.

During 1982 the Board was assigned the same statutory responsibilities under the *Geothermal Resources Act* as provided under the *Petroleum and Natural Gas Act* respecting Right of Entry upon alienated lands.

Numerous field surveys and on-site inspections were conducted. The Board also issued 7 Right of Entry Orders, settled 12 others by Mediation, arbitrated and awarded compensation after holding hearings respecting 8 entries upon alienated land. Numerous other rental renegotiations were settled following Mediation.

Because of the large number of well authorizations issued during 1978 it is anticipated that there will be an increase in the number of rental renegotiation Arbitrations in 1983. Attention will also be focused for signs of drilling activity in the south-eastern part of the Province following the disposal of Crown Petroleum and Natural Gas Rights in the Fernie area.

ENGINEERING AND OPERATIONS BRANCH

In spite of the continued down-turn of industry drilling activity in 1982 the workload of Engineering and Operations Branch remained heavy due to its involvement in government projects of significant scale. Fortunately, success was achieved in recruiting to fill three key positions, senior reservoir engineer, reservoir engineer and senior field technician. At year-end the chief reservoir engineer's position was still vacant.

In addition to carrying out its normal regulatory and advisory responsibilities, each Section of the Branch completed or started several important projects as described in the Section reports below. The whole Branch also devoted considerable effort to a Commissioner's Inquiry into Surplus Natural Gas in which it acted in the dual role of participant in the Inquiry and of Commission staff required to analyse testimony and formulate recommendations. Later in the year the Branch also played a major role in a study under the chairmanship of Dr. G. W. Govier set up by the government to make proposals on an institutional and financial framework to stimulate the sales of natural gas and industry activity in the Province.

Another important role played by the Branch in 1982 was in negotiating with other Ministries the solution to problems arising from overlapping regulatory responsibilities. This work is continuing.

DEVELOPMENT ENGINEERING

The Development Engineering Section is responsible for the administration of all matters related to the location, drilling, completion, and abandonment of petroleum and geothermal wells. This involves the assurance that operators of all wells located, drilled, and produced conform with the regulations and submit the required applications, reports, and information to the Division.

Approval of well authorizations to drill proposed well locations is granted by the Section after review and reference to the Titles and Geological Branches. There were 82 well authorizations issued for petroleum drilling, 53 per cent less than during 1981. Throughout the life of a well the status, well name or classification may be changed as circumstances require. During the year statuses were changed on 120 occasions, well names on 67, and well classifications on 12.

Each quarter, field and pool descriptions are published and circulated to the industry based upon the geological interpretation made by the Division staff. All drilling and service rigs operating in the Province must have a valid Rig Licence. Eighty were renewed while nine new ones were issued during the year.

Two long-term studies were commenced in 1982 involving a determination of the oil production capability of the Province and an improved understanding of the disposition of B.C. produced gas. From the former study an indication of the production efficiency for each pool will be available which will lead to joint consulation with the operators and hopefully to increased recoveries of petroleum. The second project will review the present reporting methods and accuracy of gas measurements made in the field.

Other administrative duties added during the year concerned two developments initiated and funded by the federal government. These were the New Oil Reference Price (NORP) and Petroleum Incentives Program (PIP) schedules which are a form of concession made to the petroleum industry to encourage development of the industry and greater Canadian participation.

In addition to comprehensive well data records, all geological and geophysical reports submitted for work credits as well as the Division correspondence files of the three Branches are maintained by the Development Section. The microfiche library containing British Columbia well data which is produced by a commercial service company continued to be used by the Division staff. This is supplemented by a set of all logs taken from the British Columbia wells plus the important nearby wells.

The project to rewrite and modify the computer system that generates production reports was halted during the year as expenditures had rapidly risen and absolute results became dubious. In its place the conversion to a broader system that will include the calculation of royalty and some useful accounting features will be phased into operation by degrees. As the Mineral Revenue Branch which is responsible for the collection of royalty are presently on a manual system, the application for that function will be completed first. The production information will be reorganized to provide for generation of data and reports that will give greater capability to persons studying the data.

DISTRICT OPERATIONS

The District Office is located at Charlie Lake in the Peace River District of northeastern British Columbia. During 1982 over 321 000 kilometres were driven by the District staff to enforce at the field level, requirements of the Drilling and Production, Geophysical, and Geothermal Regulations mainly in this and more northerly areas.

Drilling activity during 1982 continued the steady decline which was apparent in 1980/1981 with the result that at year end only 108 wells had been drilled. This decline shifted the inspectional emphasis of the District staff to production oriented work. During 1982, 312 inspections were performed at drilling well sites compared to record levels of 600 to 700 in previous years. However increased emphasis was placed on drill site reclamation and the subsequent issuance of certificates of restoration on these sites and access roads. A total of 6089 inspections were made of various drilling, producing, and abandoned well sites.

Increased emphasis was placed on production engineering - production operations to ensure compliance with environmental considerations, gas conservation orders, and to assess that good engineering practices are being employed at the oil and gas production facilities. This resulted in inspections of oil and gas batteries being carried out on 1353 different occasions. Also the accuracy and reliability of gas measurement equipment was monitored throughout the year, with fast meter checks being made on 1600 occasions, and complete meter checks being done an additional 715 times.

To confirm that reliability of the subsurface pressure data supplied to the Division by industry, 1978 calibrations were performed on subsurface pressure gauges using the British Columbia Dead Weight Tester which is the standard gauge for the Province. During 1982 this gauge was again checked against its Alberta counterpart and then compared within acceptable limits of accuracy. In addition to augmenting and confirming data received by the Reservoir Engineering Section, 61 static pressure gradients were run and 134 oil well and 48 gas well tests were witnessed.

Geophysical field activity remained fairly well at the same levels as during 1981 and inspections were performed on 181 different occasions.

The District Office continued its involvement during 1982 as co-chairman of the Northeastern British Columbia Oil Spill Co-Operative and as the Provincial representative on the PROSCARAC (Prairie Region Oil Spill Containment and Recovery) committee taking an active role at all meetings and training exercises.

In September the annual OSCAR (Oil Spill Containment and Recovery) exercise was conducted on the Peace River just downstream of the Clayhurst Ferry landing. The purpose of the exercise was to pull a steel cable across the river by boat, then anchoring it securely on both sides of the river, and then deploying the river boom from this cable. Shoreline booms, pumps, and oil skimmers were then installed at the downstream end of the river boom. This exercise was very successful in that 95 per cent of the edible rapeseed oil used for demonstration was recovered, but even more important, it was the first time that a river boom had been successfully deployed on a major river such as the Peace River using the cable technique.

During the spring months of 1981 extensive field inspections were carried out throughout the oil producing areas of Peejay, Milligan, Weasel, and Beatton River. The operators of these fields were notified that soil reclamation was required in areas where minor oil spills had occurred and consequently during the spring, summer, and fall of 1981, substantial program of cultivation, fertilization, and seeding was carried out. Field investigations during the spring and fall of 1982 indicated that reclamation measures were taking effect, however ongoing measures will be required to obtain satisfactory revegetation of these areas. The District Office was very appreciative of the degree of co-operation obtained from the companies involved.

As part of the progression towards achieving Branch competence for regulating any future offshore drilling and production operations, District staff participated in a five day offshore drilling course during 1982. This course provided essential information on situations and procedures peculiar to offshore conditions. Involvement was also continued during 1982 with the joint Industry-Governmental committee on Blow Out Prevention and the Manager was appointed as Provincial representative for British Columbia on the new Sub-Sea Well Control Examination and Certification Committee. Meetings of this group continued throughout 1982, and the establishment of mutually acceptable goals and standards for sub-sea operations were well underway at year end.

In 1982, the District Office was involved in various projects. Revisions to the air pollution section of the regulations were drafted to meet current environmental and safety objectives, both for drilling and production activities. Once in regulation form the inspectional staff will be better able to enforce that all petroleum field equipment is designed and maintained in such a manner to ensure acceptable air quality conditions and the prevention of loss of petroleum products to the environment.

Other projects during 1982 which are ongoing are the revisions to the Construction Guidelines and to the Fire Prevention sections in the Drilling and Production regulations. Revisions to the service rig regulations were completed in draft form during 1982, and should be formalized for regulation status during 1983.

RESERVOIR ENGINEERING

An important responsibility of the Reservoir Engineering Section is to estimate on a continuing basis, the oil and gas reserves in British Columbia. Estimates as of 1982 12 31 are shown in Table P3 and are summarized below:

Oil, established.....	24 205.9	10^3m^3	(152 324.6	MSTB)
Natural Gas, established -				
Raw.....	297 766	10^6m^3	(10 568.8	BSCF)
Marketable.....	242 699	10^6m^3	(8 614.3	BSCF)
Natural Gas Liquids -				
Propane.....	1 533.5	10^3m^3	(9 661.0	MSTB)
Butanes.....	2 262.0	10^3m^3	(14 243.5	MSTB)
Pentanes Plus.....	4 359.9	10^3m^3	(27 436.3	MSTB)
Sulphur.....	11 430.0	10^3t	(11 249.4	MLT)

It may be observed from Table P3 that oil reserves have decreased by 1.30 10^6m^3 (8.2 MMSTB) from last year. Additions due to drilling and revisions were 0.13 10^6m^3 (0.8 MMSTB) and 0.67 10^6m^3 (4.2 MMSTB) respectively. Production reduced the reserves by 2.09 10^6m^3 (13.2 MMSTB). Raw gas reserves at the end of 1982 were 1.63 10^9m^3 (58 BSCF) higher than last year. Additions due to drilling and revisions were 7.77 10^9m^3 (276 BSCF) and 1.86 10^9m^3 (66 BSCF) respectively. Production decreased the reserves by 8.00 10^9m^3 (284 BSCF). Of the remaining established gas reserves some 103.5 10^9m^3 (3.67 TSCF) of raw gas or 85.0 10^9m^3 (3.02 TSCF) of marketable gas were not connected to pipeline at year end.

A task force consisting of Ministry staff and engineers from three major oil producers in British Columbia was set up to investigate the economics of tertiary oil recovery by carbon dioxide miscible flooding. The investigation was based on an earlier consultant study from which reservoir parameters and cost data were developed for use by the three companies in independent economic assessments. The object is to provide an indication to the Ministry of the type of financial incentives required to have tertiary recovery implemented in the Province oil pools.

To assist in the technical aspects of this study, the Division had a laboratory study carried out to investigate the miscibility of carbon dioxide with oil from one of our largest oil pools, Boundary Lake. Results were passed on to industry members of the task force, all of whom reached the independent conclusion that a carbon dioxide tertiary recovery project would not be economic under the existing taxation structure and forecasts of the future price of oil.

In the first quarter of 1982 the Reservoir Section devoted considerable effort to the preparation of a submission to a Commissioner's Inquiry into the quantity of natural gas in British Columbia surplus to Provincial requirements. The report contained estimates of presently established reserves and future additions, present and future producibility and ultimate potential reserves of gas and natural gas liquids. Estimates for liquids were made for both shallow and deep cut conditions of gas processing.

In the above study, reserves were attributed only to the Western Sedimentary Basin in north-east B.C. As a follow-up certain economic considerations were applied to pool size distribution data developed by the Geological Survey of Canada to estimate the ultimate potential reserves of hydrocarbons in the offshore portion of the Queen Charlotte Basin. As a result of this analysis the value of ultimate potential for Offshore B.C. accepted by the Ministry is 4.8 TCF for natural gas and zero commercial ultimate potential for oil.

GEOLOGICAL BRANCH

ECONOMIC GEOLOGY

Work on regional mapping coverage included the annual update of the drillstem test and penetration map series, revised to 1982 04 30. This series is composed of 35 map sheets, on a scale of 1:100 000 and shows, for all wells outside designated field boundaries, the deepest geological

formation penetrated, all formation drillstem tests, and the zone or zones in which gas and oil wells are completed. In addition within the designated field limits the penetration maps show drillstem tests in horizons other than that productive in the field as well as the formation at total depth for wells which have penetrated below the lowest productive horizon within the field.

Most regional sub-surface maps were updated, revised, and published during the year. A map of the Province showing the location of all the known thermal springs was published as an overlay to an existing Ministry map. This map is titled "Faults, Tectonic Belts, and Thermal Springs of the Canadian Cordillera" and is available from the Ministry Publications office.

The Jean Marie map series was published during the year, and has proved useful for play evaluation. This series is comprised of 3 maps, structure, gross isopach, and isopach of net porosity, in the 94 I, J, O, and P map areas of the province. The regional stratigraphic study of correlation and identification of units of the Devonian system is almost complete and will be published soon.

Estimates of ultimate reserves of natural gas for the Province were reviewed and are featured in the "Commissioner Inquiry on British Columbia's Requirements, Supply and Surplus of Natural Gas and Natural Gas Liquids" under George W. Govier, Commissioner, completed in May 1982. These estimates were developed by the Economic Geology section in collaboration with the Federal Government's Petroleum Resources Appraisal Secretariat in Calgary.

Also an open file report entitled "Hydrocarbon Potential of Offshore British Columbia" was published by the Geological Survey of Canada during the year, as a result of similar collaboration by geologists of the Economic Geology section and staff of the Geological Survey of Canada and the Pacific Geoscience Centre.

In response to renewed interest in Canadian oil shale resources, the Geological Branch recommended a detailed examination of oil shale deposits in the Queen Charlotte Islands. Partial funding at nominal cost was provided by the Ministry for a joint project with the Geological Survey of Canada. The project resulted in preparation of the GSC Open File Report "Source Rock - Oil Shale Potential of the Jurassic Kunga Formation, Queen Charlotte Islands", to be published early in 1983. The findings of this study are doubly significant. The oil shale potential of two localities studied on Graham Island, although encouraging, is not definitive and needs further investigation by core hole drilling. Of vital interest is the fact that samples of Jurassic shales from Graham Island are within the thermally mature oil generating phase and if present at depth, represent prime source rock for oil reservoirs elsewhere in the basin. Approximately 300 samples were analysed for total organic carbon and subjected to Rock-eval pyrolyis.

Industry proposals regarding a Vancouver Island Natural Gas Pipeline prompted many inquiries about the hydrocarbon prospects of the area, and several proposals for exploration programs on Vancouver Island were examined. To date, no firm programs have been advanced, although some surface geology studies have been done in the Nanaimo area by industry geologists.

A series of areas throughout the Province, outlined by the Environmental Land Use Committee were evaluated for possible hydrocarbon and geothermal potential.

The *Geothermal Resources Act* was proclaimed during the year, and preparation for the first offering of geothermal exploration rights was in process at year end. This Act has generated a reasonable amount of interest considering the economic conditions currently prevailing in the energy exploration industry.

Staff of the Petroleum Resources Division visited the operation site at Meager Creek where B.C. Hydro has done geothermal exploration work, culminating in the drilling of three deep holes. The three holes encountered a geothermal anomaly which will produce steam; at year end, further programs for exploration or development were undecided. Preliminary work of environmental assessment, surface geophysics, core hole drilling, and evaluation were completed in previous years. However the environmental studies, in particular the studies of air and water quality in the surrounding area are ongoing to determine the effect of the exploitation of the geothermal resource.

Throughout the year, discussions with representatives of various companies were held, regarding problems and proposals for exploration in the province. These included proposals for areas as varied as Vancouver Island and the Fernie Basin, plus the Mount Cayley and Tumbler Ridge geothermal prospects. Meetings with professional staff of the Geological Survey of Canada were also convened to discuss such topics as the regional distribution of the Middle Devonian reef complex and evaluation methods for formations in the context of their ultimate resource potential.

GEOPHYSICAL

Geophysical input to the regional subsurface mapping program continued throughout the year. The geophysics applied to these maps is obtained from non-confidential sources, mainly the released assessment reports. The geophysics section works in concert with the economic geology section in the majority of their operations and projects. These projects include the estimation of ultimate hydrocarbon potential, the evaluation of geothermal resource centres, and the assessment of Land Use proposals. The geophysical section is also represented in discussions with other ministries, crown corporations, and private companies regarding various proposals for exploration activity.

RESERVOIR GEOLOGY

Although 1982 drilling activity had a striking, almost 50 percent reduction in comparison to 1981, the Reservoir Geology Section carried out a comprehensive program of assessment and mapping in detail of all oil and gas accumulations encountered by the drill. Structural, stratigraphic, and reservoir geologic data made available through drilling were used as a basis for new and revised map constructions, reservoir studies, evaluation of reserves and the control of remedial work, cycling, repressuring, and secondary recovery projects.

There were no areas of concentrated development drilling, although almost half was aimed at securing oil production which would qualify for the New Oil Reference Price (NORP) under the Federal-Provincial Incentive Program Agreement. The most active target for NORP drilling was the Belloy formation in the Eagle and Stoddart West field areas. Only five development wells were drilled for Devonian targets in the north sector of the British Columbia prospective area, the remaining 40 were almost entirely confined to the south sector in the vicinity of Fort St. John. No development type drilling was done in the Foothills and "Deep Basin" areas.

Significant changes to pool maps were made including newly designated pools and the amalgamation of the Kobes and Farrell Creek Halfway pools into a single reservoir based on geological data and pressure-production history; re- interpretation of the extent of the Silver Bluesky "A" and "B" gas pools; amalgamation of the Fireweed Dunlevy "F" and "I" gas pools into the "A" pool; a reduction in areal extent of the Siphon East Bluesky "A" gas pool based on production history; and update of the Cecil North Pine pools interpretation using an additional fault and a repositioned fault based on production results from new drilling.

No new fields were designated in 1982, but one field, Farrell Creek, was eliminated and reserves therein assigned to an expanded Kobes Field. Field boundary changes, mostly extensions were implemented at the following fields, Airport, Blueberry East, Buick Creek, Buick Creek West, Cache Creek, Clarke Lake, Currant West, Dahl, Ft St John, Gundy Creek West, Inga, Inga North, Julienne Creek West, Klua, Kobes, Montney, Osprey, Paradise, Peejay, Rigel, Rigel East, Silver, Siphon, Squirrel, Stoddart West, Sukunka, Tsea, Two Rivers, and Yoyo.

The 1981 series of oil pool boundary plats were issued to define the wells which would be granted the New Oil Reference Price (NORP) under the federal National Energy Plan. Additionally a further series of pool boundary plats was completed and published to allow determination of gas wells for which the liquid portion of production would qualify for NORP.

Three Common Purchaser or "drainage" submissions were evaluated and the related hearings by the British Columbia Utilities Commission attended as technical advisory staff. The submissions concerned the Silver Bluesky "A" gas pool and Husky Oil Ltd; the Fireweed Dunlevy "A" gas pool and Dome Petroleum Ltd, plus the Willow Halfway "A" gas pool and RUP Resources Ltd. Technical data and advice was also given to the Commissioner Inquiry on British Columbia's Requirements Supply and Surplus of Natural Gas and Natural Gas Liquids.

Lithologic studies of the oil productive Belloy at Stoddart and Stoddart West were continued and extended into the Belloy of the Eagle field to assist in the monitoring of the waterflood efficiency at the Belloy "F" pool. Devonian Jean Marie formation lithologic study of more recent rock cuttings and core reinforced the view that porosity/ permeability developments in this formation are variable and abrupt. Correlation study compelled the designation of a new Charlie Lake member the Septimus sand at the 11-4-81-19W6 well.

A new feature started in late 1982 with the commencement of lease strata title determination and productive zone identification at the request of the Titles Branch for the forthcoming implementation of strata title reversion.

Routine assistance was provided in advising other Branches with geological evaluation and assessment of Crown Lands posted for disposal of petroleum and natural gas rights, petroleum and natural gas lease extension renewals; the reclassification of wells for the purposes of confidentiality and new pool discovery status; and appraisals concerning industry production schemes such as concurrent production and good engineering practices (GEP's), plus the disposal of water production and surplus mud.

TITLES BRANCH

During 1982 exploration for oil and gas continued its downward trend resulting in fewer parcels being posted at Crown reserve dispositions. The number of dispositions held during the year was reduced to five from the seven previously held for each of the years 1978 through 1981. A total of 169 parcels of exploration rights were offered in 1982 with 123 being awarded. This compares to 443 and 316 respectively in 1981, and 735 and 558 in the 1980 calendar year. The tender bonuses received during 1982 amounted to $16 724 133. compared to $60 776 403. for 1981 and $181 266 804. for 1980. The 1982 total is the lowest since 1975 when slightly less than $13 million was received.

Geophysical exploration continued to decline in 1982 with only 115 programs approved including 11 carried over from the previous year. Of those approved and carried over, 15 were cancelled and 27 had not commenced at year's end. The 73 programs that were completed during 1982 corresponds to 140 programs in 1981 and just under 250 in 1980. The number of kilometres of line shot during 1982 totalled 4 055 which required 122 crew weeks of work.

At December 31st there were 11 664 169 hectares of oil and gas rights held under 8 221 various forms of title. At the same time in 1981 there were 145 fewer titles covering 12 249 155 hectares of rights. The increase in the number of titles was in the form of leases with the total number of permits and drilling licences decreasing from the previous year. The following table summarizes the various forms of title held in the Province:

Form Title	Number	Hectares
Permits	342	6 173 551
Natural Gas Licences	0	0
Drilling Licences/Reservations	35	126 791
Leases(All Types)	7 844	5 363 827
Total	8 221	11 664 169

The following transactions were completed during 1982.

1. Permits --	
Issued	17
Renewed	327
Converted to Lease	50
Cancelled	62
Transferred (Assigned)	19

2.	Drilling Licences --	
	Issued	16
	Renewed	25
	Converted	33
	Cancelled	39
	Transferred (Assigned)	8
3.	Leases --	
	Issued	472
	Annual Rental Paid	5 515
	Continued Under Penalty	324
	Continued NOT Under Penalty	809
	Cancelled	260
	Transferred (Assigned)	871
4.	Natural Gas Licences --	
	Issued	3
	Renewed	0
	Converted to Lease	4
	Cancelled	4
	Transferred (Assigned)	0

		Number Advertised	Number Awarded
5.	Crown Sales --		
	Permits	16	13
	Drilling Licences	19	16
	Leases	134	94
	Total	169	123
6.	Geophysical Licences - Issued		14
7.	Affidavits of Work - Approved -		
	Permits		21
	Leases		7
8.	Miscellaneous Recordings (Grouping Notices, Encumbrances, Mergers, etc.)		25 000
9.	Unit Agreements - Approved		0

OFFSHORE ADMINISTRATION BRANCH

Planning activities and discussions related to the possible resumption of offshore petroleum exploration and development progressed during the year.

The Branch, along with counterparts in the Ministries of Industry and Small Business Development and Environment, as well as representatives of federal agencies and the petroleum industry, organized a technical conference in Vancouver November 28-30, 1982 entitled "West Coast Offshore Oil and Gas: Expectations and Opportunities". The conference highlighted various aspects of the offshore industry including geological forecasts of petroleum possibilities off the coast of British Columbia, an outline of the various phases of exploration and

development, as well as possible economic, social, and environmental effects to be anticipated. An exhibition of the capabilities of the province's industrial, management, and service industries was staged in conjunction with the conference. Approximately 450 people representing industry, federal and provincial governments, environmental groups, and the general public attended the conference and exhibits.

The Vancouver conference was the first public information activity in preparation for public hearings which will be held prior to the reopening of the offshore to exploration activities. Planning for regional conferences to respond to the information needs of the north coast, Queen Charlotte Islands, and the North Island has also been initiated. Numerous visits to coastal communitites to acquaint them with offshore planning activities have been undertaken by the Director. In addition, continued liaison with the petroleum industry, the general public and other, interested provincial and federal departments has been maintained.

Two committees have been established which will play an important part in any offshore development. An Offshore Manpower Training Advisory Committee will offer advice to the various bodies which provide marine training, assist in the evaluation of developing programs, and help to assure that the training needs of the industry and the province are met. A Fisheries Liaison Committee has been established to develop an ongoing communications link between industry and the fishery. This committee will serve as a clearing house and advisory body for the duration of the involvement of the petroleum industry in British Columbia's offshore.

STATISICAL TABLES

Table P1 - Hectares of Crown Petroleum and Natural Gas Rights Held, 1972 - 1982

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Petroleum and natural gas permits	7 046 019	6 567 416	5 379 502	5 363 440	5 232 700	5 057 241	4 727 388	8 331 140	6 855 975	6 173 551
Petroleum and natural gas leases	2 507 752	2 592 138	2 255 952	2 387 335	2 911 776	3 131 372	3 755 470	4 248 550	4 833 344	5 048 562
Natural gas licences	8 410	6 299	3 160	2 904	14 721	.....	7 559	25 346	1 619	.....
Natural gas leases	194 156	194 240	197 388	203 789	209 117	228 480	255 903	259 307	308 853	313 717
Petroleum leases	520	520	1 287	1 287	1 287	1 548	1 548	1 548	1 548	1 548
Drilling reservations & Drilling licences	169 925	146 019	128 570	212 529	338 681	426 117	422 888	430 669	247 816	126 791
Totals	9 926 782	9 506 632	7 965 859	8 171 284	8 708 282	8 904 758	9 170 756	13 296 560	12 249 155	11 664 169

Table P2 - Petroleum and Natural Gas Revenue, 1947 - 1982

	1947/73	1974	1975	1976	1977	1978	1979	1980	1981	1982	1947/82
Rentals and Fees	$	$	$	$	$	$	$	$	$	$	$
Permits	50 616 151	2 224 111	2 150 965	2 114 161	2 128 190	1 882 589	1 696 423	3 768 152	1 895 471	2 096 108	70 572 321
Drilling reservations & Drilling licences	1 384 771	85 481	75 635	124 196	172 078	266 654	223 760	251 047	121 233	177 073	2 881 928
Natural gas licences	69 057	8 057	4 155	3 838	.....	47 502	43 262	29 826	20 668	31 630	257 995
Leases (all)	99 320 348	9 678 015	10 242 543	11 925 123	13 680 926	16 782 862	19 428 644	23 665 473	25 296 643	28 640 263	258 660 840
Total Rentals	151 390 327	11 995 664	12 473 298	14 167 318	15 981 194	18 979 607	21 392 089	27 714 498	27 334 015	30 945 074	332 373 084
Crown Reserve Disposition Bonuses											
Permits	105 573 205	15 434 510	6 623 647	27 548 820	60 017 393	49 518 449	45 949 254	21 126 236	22 531 164	4 837 360	359 160 038
Drilling licences	37 052 458	2 669 318	2 708 463	6 152 419	30 633 861	64 497 213	60 987 012	68 358 992	6 338 253	4 539 818	283 907 807
Leases	83 668 090	4 851 506	3 417 137	9 525 202	34 816 472	63 473 986	84 105 339	91 781 576	31 906 986	7 346 955	414 883 249
Crown Reserve Disposition Totals	226 293 753	22 955 334	12 749 247	43 226 441	125 467 726	177 459 648	191 041 605	181 266 804	60 776 403	16 724 133	1 057 961 094
Crown Royalties											
Gas	40 936 767	2 843 329	2 848 930	173 315	180 951	72 729	67 200	110 018	15 237	11 666	47 280 142
Oil	87 374 937	48 296 036	44 782 489	43 925 220	41 015 470	42 191 350	44 819 110	47 634 589	55 261 145	74 544 128	529 844 474
Processed products and penalties	1 141 160	134 180	570 321	711 810	888 799	1 075 377	1 048 746	1 624 942	1 762 012	1 624 973	10 582 320
Gas revenue from B.C. Petroleum Corp.	.....	26 000 000	172 150 000	149 850 000	174 250 000	159 400 000	257 875 000	242 875 000	158 000 000	155 000 000	1 495 400 000
Crown Royalty Totals	129 452 864	77 273 545	220 351 740	194 660 345	216 335 220	202 739 456	303 810 056	292 244 549	215 038 394	231 180 767	2 083 086 936
Miscellaneous fees	409 867	19 104	18 541	32 248	64 583	69 392	82 490	95 029	66 027	181 210	1 038 491
Total Petroleum and Natural Gas Revenue	507 546 811	112 243 647	245 592 826	252 086 352	357 848 723	399 248 103	516 326 240	501 320 880	303 214 839	279 031 184	3 474 450 805

Table P3 - Established Hydrocarbon and By-product Reserves - December 31, 1982

	CRUDE OIL 10^3m^3	RAW GAS 10^6m^3	MARKETABLE GAS 10^6m^3 (1)	PROPANE 10^3m^3	BUTANES 10^3m^3	PENTANES 10^3m^3	SULPHUR 10^3t
Initial Reserves, Current Estimate	80 760.1	488 316	399 838	3 068.3	4 460.7	8 768.2	13 988.8
Cumulative Production to December 31, 1981	54 459.4	182 555	150 612	1 480.5	2 119.7	4 241.5	2 393.4
Remaining Reserves Estimate at December, 1981	25 508.9	296 134	240 893	1 571.4	2 315.3	4 455.4	11 318.5
Drilling in 1982	+ 125.7	+ 7 765	+ 6 703	+ 4.2	+ 7.5	+ 14.0	+ 287.8
Revisions in 1982	+ 666.1	+ 1 862	+ 1 630	+ 12.2	+ 18.2	+ 57.3	- 10.9
Production in 1982	- 2 094.8	- 7 995	- 6 527	- 54.3(2)	- 79.0(2)	- 166.8(2)	- 165.4(2)
Remaining Reserves at December 31, 1982	24 205.9	297 766	242 699	1 533.5	2 262.0	4 359.9	11 430.0

Notes: Gas volumes measured at 101.325 kPa and 15°C

(1) Figures in this column are estimates of marketable gas i.e. the gas available to the transmission line after removal of acid gases and a percentage of liquid hydrocarbons.

(2) These figures are estimates based on average gas analyses and estimated Plant recoveries. Actual recoveries of propane, butanes, pentanes, and sulphur were 68.8, 89.4, 156.0 10^3m^3 and 197.1 10^3t respectively during 1982.

Table P4 - Drilling and Production Schemes Approved in 1982

Field/Areas	Pool	Area or Well	Date of Approval
Approval of Salt-water Disposal			
Louise	Slave Point	Bluesky et al Louise d-71-I/94-P-4	1982 02 12
Blueberry	Debolt "A"	Suncor et al Blueberry d-41-L/94-A-12	1982 07 05
Fort St. John	Cadomin	PEX et al Ft St John 14-15-83-18	1982 10 15
Approval of Concurrent Production			
Cecil	Cecil "B"	Section 13, Twp. 84, Rge. 18	1982 06 24
Approval of Good Engineering Practice			
Inga	Inga "B"	W 1/2 Section 11, Twp. 86, Rge. 24	1982 04 22
Downhole Commingling			
Buick Creek North	Bluesky Dunlevy	PEX et al N Buick b-44-F/94-A-14	1982 02 02
Approval of Units			
Weasel Unit No. 3	Halfway "F"	Units 18-20, 28-30, 38-40, 48-50 Block A and Units 11, 21, 31, 41 Block B, 94-H-2	1982 04 01
Approval of Unit Amendment			
West Eagle Unit No. 1	Belloy "F"	S 1/2 Section 19, NE 1/4 Section 29, NE 1/4 Section 33-84-18 and NW 1/4 Section 24-84-19	1982 07 01

Table P5 - Wells Drilled and Drilling, 1982

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1982 Depth	Status at 1982 12 31
5588	Amoco BCRIC Akue a-53-K	81 02 02	82 03 05	2 016.0	Abandoned-dry
5694	Amoco Wainoco E Monias 9-17-82-20	81 11 02	82 01 09	2 540.0	Abandoned-dry
5708	Aquit Sundown a-23-I	81 12 26	82 03 19	3 282.0	Cadotte gas
5768	Atlantis et al Adsett d-41-G	82 04 05	82 07 28	2 640.0	Slave Point gas
5264	BP et al Dilly b-26-F	81 02 11	82 02 11	2 091.0	Abandoned-dry
5751	BVX et al Blueberry d-68-D	82 04 07	82 07 06	2 268.0	Abandoned-dry
5602	Brinco et al Courvoisier a-75-C	82 01 30	82 04 01	2 427.0	Abandoned-dry
5601	Brinco et al Ekwan c-43-L	82 02 24	82 03 31	1 950.0	Bluesky gas
5294	CCS et al Ladyfern d-49-J	82 02 01	82 02 17	3 167.0	Banff gas re-entry
5735	CCS Pickell a-65-I	82 03 04	82 03 16	1 227.7	Halfway gas
5766	CCS et al Wargen b-6-C	82 03 19	82 04 04	1 275.0	"A" Marker gas
5617	CDCOG Tenn Dahl a-65-H	82 03 08	82 03 17	1 188.0	Bluesky gas
5529	Cairn et al Petitot a-7-E	81 01 24	82 03 10	2 100.0	Standing
5702	Canhunter et al Chilcotin b-22-K	81 12 09	82 02 23	3 778.0	Abandoned-dry
5759	Canhunter et al Siphon 14-22-86-15	82 03 14	82 03 25	1 125.0	Bluesky oil
5764	Canterra Moberly 7-33-82-22	82 06 19	82 07 17	1 554.0	Halfway gas
5781	Canterra Sunset b-16-C	82 12 08			Drilling
5758	Canterra et al Sunset b-57-K	82 06 13	82 08 15	2 780.0	Gas
5715	Cdn-Sup et al Blackhawk c-40-F	82 01 06	82 03 19	2 885.0	Falher gas
5786	Cdn-Sup Buick b-44-I	82 11 24	82 12 10	1 480.0	Halfway oil
5714	Cdn-Sup et al Hourglass c-38-B	82 01 16	82 04 01	2 365.0	Falher gas
5737	Cdn-Sup et al Inga 8-7-88-23	82 03 20	82 04 02	1 645.0	Inga oil
4992	Cdn-Sup Inga 8-12-88-24	82 05 29	82 06 10	1 670.0	Inga oil
5468	Cdn-Sup et al Noel d-84-I	80 12 26	82 02 20	3 662.0	Falher gas
5727	Cdn-Sup et al Romeo a-7-J	82 01 14	82 03 13	2 266.0	Standing
5553	Champlin et al Klua b-79-F	81 02 20	82 03 12	2 348.0	Abandoned
5731	Chevron et al N Petitot a-64-H	82 01 25	82 04 01	2 482.5	Abandoned-dry

Table P5 - Wells Drilled and Drilling, 1982 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1982 Depth	Status at 1982 12 31
5774	Cornell Flatrock 14-7-84-16	82 07 13	82 07 28	1 455.0	Halfway oil
5793	Cornell Flatrock A14-7-84-16	82 11 30	82 12 27	1 450.0	Halfway oil
5775	Cornell Two Rivers A16-34-82-16	82 06 26	82 07 10	1 433.0	Halfway oil
5703	Coseka et al Arras 7-34-77-17	82 02 07	82 03 30	2 483.0	Bluesky gas
5710	Coseka et al Ekwan c-35-H	81 12 25	82 02 23	1 891.0	Jean Marie gas
5561	Coseka et al Kahntah a-61-L	81 02 05	82 02 17	2 610.0	Abandoned-dry
5691	Coseka et al Progress 13-11-77-16	81 10 29	82 01 25	3 515.0	Dunlevy gas & Doig gas
5726	Coseka et al Squirrel 6-25-87-19	81 12 22	82 01 07	1 464.0	Abandoned-dry
5699	Coseka et al Thunder d-31-H	81 12 23	82 07 18	3 955.0	Dunlevy, Baldonnel & Halfway gas
5753	Dome et al Bear Flat 6-1-85-21	82 02 28	82 04 02	1 760.0	Abandoned-dry
5733	Dome Numac Birch d-100-H	82 02 07	82 02 24	1 320.0	Baldonnel oil
5630	Dome Pina Bunch a-23-I	82 01 23	82 02 28	1 750.0	Abandoned-dry
5743	Dome Laprise b-66-F	82 03 21	82 04 08	1 265.0	Abandoned-dry
5771	Dome-CDA Alces 6-17-83-14	82 06 28	82 08 10	2 385.0	Kiskatinaw gas
5723	Dome-CDA W Nig d-1-D	81 12 21	82 01 18	1 397.0	Dunlevy oil
5713	Dome-CDA Gulf Sojer b-6-K	82 01 23	82 02 17	1 500.0	Doig gas
5605	Drummond et al Missile c-26-A	81 02 20	82 03 30	2 630.0	Pine Point gas
5788	Esso et al Boundary A8-28-84-14	82 11 05	82 12 03	1 270.0	Boundary oil
5755	Esso et al W Weasel d-47-C	82 03 03	82 03 20	1 206.0	Abandoned-dry
5719	HB et al July b-71-J	82 01 16	82 02 18	2 077.0	Pine Point gas
5718	HB et al July c-89-G	82 02 22	82 03 22	2 075.0	Pine Point gas
5767	HB et al Trutch c-95-E	82 03 27	82 05 23	1 818.0	Abandoned-junked
5783	Home Taylor 6-26-82-18	82 09 17	82 10 27	1 814.0	Oil
5782	Home W Stoddart 16-16-86-21	82 08 14	82 09 15	2 060.0	Abandoned-dry
5728	KANENERGY et al Inga 15-32-85-23	81 12 29	82 01 19	1 620.0	Inga oil
5348	Kaiser et al Birch d-11-J	82 01 11	82 02 04	1 350.0	Baldonnel oil
5633	Killucan et al Snowberry a-47-D	82 01 28	82 02 07	1 170.0	Dunlevy oil
5701	Ladd et al Cameron b-66-B	81 12 06	82 03 05	2 657.0	Abandoned-dry

5732	Monsanto Bear Flat 5-15-84-20	82 01 26	82 02 18	1	610.0	Abandoned-dry
5706	Murphy et al Inga 6-5-85-23	81 12 18	82 01 06	1	276.7	Baldonnel gas
5792	Natomas et al S Inga 6-29-84-23	82 11 06	82 12 03	1	685.0	Inga oil
5739	OIL et al Saturn 16-10-87-22	82 02 28	82 03 24	2	100.0	Belloy gas
5756	PCEMT et al Ariel d-31-B	82 03 06	82 03 14		802.0	Debolt gas
5784	PCEMT et al Boundary 14-6-84-13	82 09 13	82 09 28	1	378.0	Abandoned
5750	PCEMT et al Titania d-19-L	82 02 24	82 03 05		935.0	Abandoned-dry
5763	PEX WP Buick b-11-E	82 03 19	82 03 28	1	190.0	Abandoned-dry
5754	PEX WP W Buick d-4-E	82 03 07	82 03 15	1	185.0	Dunlevy gas
5776	PEX Inga 6-3-87-23	82 08 01	82 08 19	1	645.6	Abandoned-dry
5711	PEX Union Kelly d-35-H	81 12 21	82 02 26	2	715.6	Falher gas
5721	PEX N Laprise b-96-L	82 02 04	82 02 27	1	422.0	Halfway gas
5722	PEX GAO Louise d-73-I	82 01 14	82 02 22	2	169.0	Slave Point gas
5720	PEX Lynx b-93-A	82 01 10	82 01 26	1	240.0	Abandoned-dry
5760	PEX et al Peejay d-17-I	82 03 04	82 03 16	1	177.3	Abandoned-dry
5734	PEX et al W Peejay c-33-G	82 01 28	82 02 14	1	222.0	Nancy oil
5560	PEX et al W Peejay d-38-H	82 02 15	82 02 27	1	221.0	Abandoned-dry
5707	PEX Prespatou d-28-E	82 01 15	82 02 01	1	224.0	Abandoned-dry
5738	PEX Stoddart 14-9-86-20	82 02 02	82 03 04	1	937.0	Belloy oil
5772	PEX W Stoddart 6-16-86-20	82 07 14	82 07 30	1	975.0	Standing
5761	PEX W Stoddart 8-16-86-20	82 06 17	82 07 12	1	985.5	Abandoned-dry
5158	PEX GAO Yoyo d-91-E	80 01 29	82 03 06	2	216.0	Pine Point gas
5736	PEX WP Wargen d-59-C	82 03 02	82 03 18	1	220.0	Gething gas & Baldonnel gas
5695	Polaris et al Pesh c-67-A	82 02 14	82 03 22	1	565.0	Jean Marie gas
5806	Polaris et al Pesh d-83-I	82 12 24				Drilling
5672	Quasar et al Carbon d-48-I	81 12 02	82 04 26	2	295.0	Abandoned-dry
5790	Quintana HB Roger a-29-A	82 11 06				Drilling
5729	Rem et al Septimus 2-21-82-20	82 01 19	82 02 20	1	717.5	Abandoned-dry
5700	Remington S Grassy d-54-A	81 12 06	82 03 29	2	158.0	Debolt gas
5787	Remington Sikanni a-32-I	82 10 30				Drilling
5769	Remington Sikanni d-73-I	82 08 01	82 10 22	1	938.0	Gas
5742	Riva et al LaGarde 9-15-87-15	82 02 20	82 03 05	1	158.0	Abandoned-dry
5779	Scurry PPC Cecil 8-14-84-18	82 07 13	82 07 27	1	145.0	North Pine gas
5780	Scurry CEGO Cecil 4-18-84-17	82 07 29	82 08 10	1	198.0	North Pine oil

Table P5 - Wells Drilled and Drilling, 1982 - Continued

Well Authorization Number	Well Name	Date Spudded	Date Rig Released	1982 Depth	Status at 1982 12 31
5770	Scurry GHOL Cecil 14-31-84-17	82 06 09	82 06 19	1 302.0	Abandoned-dry
5730	Scurry CEGO Eagle 14-15-84-18	82 01 10	82 02 04	1 912.0	Abandoned-dry
5778	Scurry CEGO Eagle 7-22-84-18	82 07 29	82 08 23	1 869.0	Belloy oil
5789	Scurry CEGO Eagle B6-35-84-18	82 10 10	82 10 30	1 860.0	Belloy oil
5777	Scurry CEGO Eagle 7-35-84-18	82 07 07	82 07 27	1 857.0	Belloy oil & North Pine oil
5785	Scurry CEGO Eagle 16-35-84-18	82 08 25	82 09 16	1 851.7	Belloy oil
5773	Scurry et al Stoddart 14-33-85-20	82 06 19	82 07 13	2 008.0	Belloy oil
5745	Scurry et al W Stoddart 8-5-86-20	82 02 23	82 03 26	2 013.0	Belloy oil
5693	Shell N Cypress b-24-L	82 01 28	82 07 24	3 328.0	Debolt gas
5698	Shell Groundbirch 7-29-78-20	81 11 25	82 01 18	2 675.0	Abandoned-dry
5697	Suncor Bougie a-85-A	81 12 20	82 02 02	1 900.0	Debolt gas
5631	Suncor et al Bougie b-50-G	82 08 01	82 11 03	2 920.0	Debolt gas & Pine Point gas
5725	Suncor Liard b-43-K	82 01 11	82 03 20	2 795.0	Abandoned-dry
5717	Suncor Tenaka a-7-F	82 02 07	82 04 05	2 505.0	Abandoned-dry
5757	TAI et al Drake b-92-E	82 03 06	82 03 13	1 083.3	Halfway oil
5799	TAI Charter et al Drake b-2-L	82 12 14	82 12 22	1 090.0	Halfway gas
5798	TAI Charter et al Drake d-13-L	82 12 03	82 12 12	1 140.0	Abandoned-dry
5566	TP Shell Tommy Lakes a-44-J	82 01 13	82 03 25	2 880.0	Abandoned-dry
5765	Union et al W Milligan b-48-G	82 03 17	82 03 26	1 182.0	Abandoned-dry
5740	Westcoast et al Kyklo b-44-F	82 01 29	82 03 16	2 040.0	Abandoned-dry
5724	Westgrowth et al Helmet d-62-C	81 12 30	82 01 28	1 924.5	Jean Marie gas
5304	Westgrowth et al Helmet c-18-E	82 01 24	82 02 09	1 339.0	Jean Marie gas
5704	Westmin et al Farrell 6-10-85-25	81 12 19	82 03 09	2 540.0	Debolt gas
5791	Wincan Tai Murdale 8-25-87-20	82 10 26	82 11 16	1 543.0	North Pine oil

Table P6 - Summary of Drilling and Production Statistics, 1982

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Well authorizations issued	18	13	6	1	3	6	5	3	2	4	9	12	82
Well authorizations cancelled	0	0	3	6	0	0	1	0	2	2	0	0	14
Wells spudded	22	15	7	2	1	7	8	3	2	3	5	4	79
Rigs operated (during month)	39	33	36	12	4	12	13	7	5	3	7	10	52[1]
Rigs operating (at month end)	36	33	12	12	3	10	6	4	3	6	6	4	.....
Metres Drilled -													
Development	4 785,5	10 753,0	15 663,7	5 945,0	.....	2 972,0	14 781,0	4 712,6	1 850,7	1 860,0	2 920,0	4 200,0	70 443,5
Exploratory Outpost	5 400,0	10 075,6	21 614,0	4 987,5	.....	.....	7 534,5	2 385,0	3 438,0	1 814,0	1 543,0	2 230,0	61 621,6
Exploratory Wildcat	7 466,7	20 966,5	18 705,0	4 722,0	1 818,0	.....	3 328,0	2 780,0	.....	1 938,0	.....	1 685,0	73 409,2
Totals	17 652,2	41 795,1	65 982,7	15 654,5	1 818,0	2 972,0	25 643,5	9 877,6	5 288,7	5 612,0	4 463,0	8 115,0	204 874,3
Oil wells	2	4	4	1	.....	1	5	2	1	2	1	4	27
Gas wells	3	10	18	1	.....	.....	8	2	.....	1	2	1	46
Abandoned wells	4	9	12	6	1	1	2	1	2	.....	.....	1	39
Service wells	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
Standing wells	.....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	3
Totals	9	23	36	8	1	2	16	5	3	3	3	6	115
Producible oil wells	926	928	930	929	932	928	932	933	936	937	940	942	.....
Producing oil wells	618	617	623	612	600	632	629	632	647	644	642	633	.....
Production in m^3	176 634,8	162 808,9	180 914,8	152 609,0	167 292,1	161 680,9	174 643,1	176 212,8	179 667,0	181 880,3	174 217,6	184 751,1	2 078 257,5
Average daily production	5 697,9	5 814,6	5 835,9	5 086,9	5 396,5	5 389,4	5 633,7	5 684,3	5 988,9	5 867,1	5 807,3	5 956,7	5 685,9
Producible gas wells	1 896	1 893	1 908	1 904	1 905	1 908	1 913	1 915	1 918	1 917	1 921	1 923	.....
Producing gas wells	632	625	544	524	422	390	317	366	422	503	592	591	.....
Production in 10^3m^3	1 107 098,8	853 083,5	793 150,8	655 724,3	434 678,9	294 795,1	258 599,0	278 841,7	314 911,5	570 991,4	853 564,9	978 837,0	7 406 814,2[2]
Average daily production	35 712,8	30 467,2	25 585,5	21 857,4	14 021,9	9 826,5	8 341,9	8 994,9	10 497,1	18 419,1	28 452,8	31 575,4	20 298,5

Summary for 1982

Drilled	
Locations drilled	108
Multizone wells	6
Re-entries	1
Totals	115

Completions	
Oil wells*	27
Gas wells*	46
Service wells*	...
Standing wells	3
Abandoned	39
Totals	115

1 Rigs operated during 1981.
2 Non-associated gas production only.
* Each zone of a multizone well is counted as one well.

Table P7 - Monthly Crude Oil and Condensate Production by Fields and Pools

(Volumes in m^3 at 15° C)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Aitken Creek -													
Gething A	1 305.8	1 279.0	1 517.2	1 205.9	1 469.7	1 145.8	1 522.6	1 480.9	1 537.2	1 166.7	1 598.2	1 213.6	16 442.6
Bear Flat -													
North Pine A	208.0	177.3	200.1	192.4	194.4	178.4	169.7	182.1	188.7	179.8	191.3	207.0	2 269.2
Beatton River -													
Halfway A	2 772.6	2 694.8	3 163.4	2 260.2	2 809.6	2 617.5	1 710.9	1 550.7	2 921.5	2 665.1	2 676.0	2 679.1	30 521.4
Halfway C	99.9	150.9	160.1	79.2	146.7	109.9	75.9	73.3	126.5	122.1	51.5	178.6	1 374.6
Halfway D	787.8	656.3	689.9	611.5	566.1	617.4	749.6	690.7	637.6	677.1	591.3	591.5	7 866.8
Totals	3 660.3	3 502.0	4 013.4	2 950.9	3 522.4	3 344.8	2 536.4	2 314.7	3 685.6	3 464.3	3 318.8	3 449.2	39 762.8
Beatton River West -													
Bluesky A	2 797.1	2 663.8	3 441.7	2 168.5	2 610.5	2 430.3	1 962.1	2 678.5	2 688.9	3 087.6	2 525.4	2 205.3	31 259.7
Beaverdam -													
Upper Halfway A[1]	.....	6.2	21.2	10.4	20.4	20.5	20.3	21.3	19.8	18.7	25.0	36.8	218.6
Beavertail -													
Halfway B	80.6	163.0	158.7	135.6	146.3	131.6	219.7	215.4	235.4	152.7	122.5	314.1	2 075.6
Birch -													
Baldonnel B[1]	53.4	18.8	.....	9.0	3.0	68.6	46.3	30.0	42.3	29.8	26.5	27.6	355.3
Baldonnel C	797.0	877.7	835.2	632.8	.....	969.0	875.6	477.1	924.6	668.9	582.0	953.7	8 593.6
Total	850.4	896.5	835.2	641.8	3.0	1 037.6	921.9	507.1	966.9	698.7	608.5	981.3	8 948.9

Blueberry -													
Debolt A	2 821.8	2 497.3	2 948.5	1 845.3	2 572.0	2 634.5	2 643.6	2 424.3	2 908.0	2 423.6	2 950.5	3 063.1	31 732.5
Debolt B	1 077.4	1 447.5	1 502.0	1 668.6	1 587.7	1 650.8	1 732.2	1 718.2	1 567.9	1 468.0	1 514.8	1 437.5	18 372.6
Totals	3 899.2	3 944.8	4 450.5	3 513.9	4 159.7	4 285.3	4 375.8	4 142.5	4 475.9	3 891.6	4 465.3	4 500.6	50 105.1
Boundary Lake -													
Baldonnel B[1]	9.5	6.4	9.8	4.6	.....	.....	.....	.....	.....	4.8	8.4	8.3	51.8
Cecil A	48.9	43.0	33.3	41.3	43.8	50.6	49.1	54.1	50.1	77.6	54.7	58.7	605.2
Cecil B	.....	.....	.....	.....	.....	12.2	22.2	17.2	8.5	4.4	4.7	.....	69.2
Boundary Lake A	59 967.3	55 477.3	60 867.6	58 080.9	59 134.0	54 359.0	60 316.7	61 295.2	58 362.1	60 725.9	58 417.3	61 271.1	708 274.4
Halfway A	512.1	527.9	641.2	544.6	229.8	534.3	461.5	503.2	482.1	534.8	553.8	583.3	6 638.6
Totals	60 537.8	56 054.6	61 551.9	58 671.4	59 407.6	54 956.1	60 849.5	61 869.7	58 902.8	61 347.5	59 038.9	61 841.4	715 039.2
Boundary Lake North -													
Halfway B[1]	247.5	58.1	.....	.....	.....	.....	40.3	68.7	153.5	19.9	38.5	128.5	755.0
Halfway C[1]	226.3	212.5	172.8	223.4	179.9	217.2	191.2	212.8	225.8	214.9	210.5	214.6	2 501.9
Halfway D	157.8	145.5	166.2	154.6	162.6	152.1	90.4	208.0	193.6	190.5	174.3	182.3	1 977.9
Totals	631.6	416.1	339.0	378.0	342.5	369.3	321.9	489.5	572.9	425.3	423.3	525.4	5 234.8
Buick Creek -													
Bluesky D[1]	.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.2
Dunlevy D	.....	.....	.....	.....	10.6	26.1	.....	.....	.....	.....	.....	.....	36.7
Dunlevy C[1]	99.0	82.3	83.5	12.8	42.8	16.4	2.9	.....	.....	37.9	114.6	151.5	643.7
Doig A	1 118.5	908.3	933.4	578.5	1 031.3	1 185.9	956.0	1 076.4	1 012.7	1 062.4	1 395.6	820.1	12 079.1
Totals	1 217.7	990.6	1 016.9	591.3	1 084.7	1 228.4	958.9	1 076.4	1 012.7	1 100.3	1 510.2	971.6	12 759.7
Buick Creek West -													
Dunlevy B[1]	13.6	13.5	.3	9.6	6.8	2.5	5.5	.....	.....	7.7	7.4	3.5	70.4
Dunlevy D	154.9	129.7	129.3	80.5	.....	119.6	126.7	77.2	112.5	98.8	104.2	94.4	1 227.8
Totals	168.5	143.2	229.6	90.1	6.8	122.1	132.2	77.2	112.5	106.5	111.6	97.9	1 298.2
Bulrush -													
Halfway A	318.3	254.4	145.7	288.9	315.8	310.5	292.1	277.7	300.5	274.5	284.4	304.4	3 367.2
Halfway B	.....	26.2	70.6	37.1	44.8	28.7	35.5	38.7	39.0	37.4	18.1	46.6	422.7
Totals	318.3	280.6	216.3	326.0	360.6	339.2	327.6	316.4	339.5	311.9	302.5	351.0	3 789.9

[1] Condensate

Table P7 - Monthly Crude Oil and Condensate Production by Fields and Pools - Continued

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Cecil Lake -													
Siphon A	54.8	50.4	53.8	51.9	48.7	50.2	51.4	50.6	47.5	50.6	49.5	51.9	610.3
Cecil A	801.7	726.6	819.3	537.5	209.2	798.7	796.5	821.2	769.5	765.2	779.4	723.0	8 547.8
Cecil B	52.7	128.4	.....	.....	.....	.....	.....	.....	.....	66.0	23.7	6.8	277.6
North Pine A	461.0	450.1	306.0	323.1	323.8	132.0	423.1	478.8	958.0	580.5	550.8	778.3	5 765.5
North Pine A[1]	49.7	38.7	35.2	58.2	65.5	16.9	43.6	41.2	31.0	30.7	50.4	62.7	523.8
North Pine B	72.7	66.1	36.4	116.6	88.6	86.0	74.1	69.9	64.1	.....	.....	.....	674.5
North Pine C	670.0	639.8	591.1	566.4	106.3	426.7	555.8	338.4	228.6	194.4	399.7	437.1	5 154.3
Totals	2 162.6	2 100.1	1 841.8	1 653.7	842.1	1 510.5	1 944.5	1 800.1	2 098.7	1 687.4	1 852.5	2 039.8	21 533.8
Crush -													
Halfway A	1 045.9	929.3	882.7	639.2	1 045.1	801.5	936.8	894.0	723.5	740.0	752.8	764.7	10 155.5
Currant -													
Halfway A	296.4	518.0	559.0	542.4	544.0	529.5	335.4	336.4	396.6	58.65	581.8	561.2	5 787.2
Dahl -													
Bluesky A[1]	.....	.....	9.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	9.7
Drake -													
Halfway B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31.3	60.6	91.9
Confidential	.....	.....	.....	.....	.....	.....	152.4	156.2	174.1	140.2	197.7	111.4	932.0
Totals	.....	.....	.....	.....	.....	.....	152.4	156.2	174.1	140.2	229.0	172.0	1 023.9
Eagle -													
Siphon A	31.4	30.4	33.0	26.8	27.0	5.8	35.1	60.4	45.4	56.7	50.8	33.0	435.8
Belloy B	3 669.3	3 332.8	3 403.1	2 006.3	2 131.7	3 139.3	3 568.8	3 105.3	4 044.9	3 979.7	3 767.1	3 726.6	39 874.9
Belloy F	38 584.7	32 476.9	40 613.2	32 346.7	39 454.3	36 700.3	39 119.6	38 646.1	41 420.3	41 435.4	38 902.6	42 203.3	461 903.4
Totals	42 285.4	35 840.1	44 049.3	34 379.8	41 613.0	39 845.4	42 723.5	41 811.8	45 510.6	45 471.8	42 720.5	45 962.9	502 214.1
Fireweed -													
Dunlevy B[1]	.....	44.0	6.5	27.7	.....	17.1	31.2	3.8	1.0	2.0	52.1	98.3	283.7
Dunlevy D	.....	43.5	161.0	104.8	119.8	129.7	.3	131.0	120.0	44.2	.....	.....	854.3
Totals	.....	87.5	167.5	132.5	119.8	146.8	31.5	134.8	121.0	46.2	52.1	98.3	1 138.0

Flatrock -													
Boundary Lake A	33.1	29.5	29.2	25.3	10.3	16.3	25.1	16.7	15.5	18.5	28.6	14.1	262.2
Boundary Lake B	345.3	288.6	338.1	370.1	385.9	387.7	471.6	421.6	425.3	418.0	398.6	406.7	4 657.5
Halfway A[1]	61.4	40.8	26.2	40.7	.....	.....	.....	.....	37.1	44.6	44.3	14.7	309.8
Halfway E	370.7	425.7	429.7	347.4	218.3	409.1	325.0	283.0	328.3	332.5	382.6	254.6	4 106.9
Halfway E[1]	96.3	113.8	110.7	60.8	.....	90.9	59.1	106.1	99.1	36.1	21.2	57.9	852.0
Halfway F	.....	.....	.....	.....	.....	.....	.....	.....	14.5	.....	.....	.....	14.5
Totals	906.8	898.4	933.9	844.3	614.5	904.0	880.8	827.4	919.8	849.7	875.3	748.0	10 202.9
Flatrock West -													
Halfway A[1]	674.6	548.0	360.7	583.0	52.5	681.0	651.9	633.7	606.8	85.3	197.9	508.8	5 584.2
Fort St John -													
Charlie Lake A	617.7	530.2	643.0	322.4	135.0	375.6	468.5	659.4	627.4	632.6	653.7	424.7	6 090.2
Fort St John Southeast -													
Siphon A	92.5	25.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	117.6
Belloy A	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.0	.....	.....	5.0
Totals	92.5	25.1	.....	.....	.....	.....	.....	.....	.....	5.0	.....	.....	122.6
Inga -													
Inga A	12 899.0	12 179.1	14 097.8	10 786.0	10 975.9	11 556.9	13 372.1	15 185.0	14 565.9	14 909.3	13 470.2	13 614.0	157 611.2
Inga A[1]	17.3	4.7	.....	.....	17.9	22.5	6.7	70.7	107.5	65.9	14.2	31.2	358.6
Inga B	45.1	56.6	62.8	28.7	35.6	56.1	48.3	52.9	51.8	50.1	47.3	40.2	577.5
Totals	12 961.4	12 240.4	14 160.6	10 814.7	11 029.4	11 635.5	13 427.1	15 308.6	14 725.2	15 025.3	13 531.7	13 685.4	158 545.3
Jedney -													
Baldonnel A[1]	9.1	12.7	7.3	5.3	4.4	11.5	.....	.....	.....	.....	17.0	8.4	75.7
Halfway A[1]	4.1	4.9	.5	1.7	2.7	4.4	.....	.....	.....	.....	.....	.....	18.3
Totals	13.2	17.6	7.8	7.0	7.1	15.9	.....	.....	.....	.....	17.0	8.4	94.0
Mica -													
Mica A	667.8	628.8	492.8	485.6	422.9	193.8	559.2	559.5	526.3	544.3	560.2	429.7	6 070.9
North Pine A	77.6	155.4	237.0	46.4	223.3	260.5	261.9	156.3	200.0	144.2	184.5	202.4	2 149.5
Totals	745.4	784.2	729.8	532.0	646.2	454.3	821.1	715.8	726.3	688.5	744.7	632.1	8 220.4

[1] Condensate

Table P7 - Monthly Crude Oil and Condensate Production by Fields and Pools - Continued

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Mike -													
Gething A	484.0	436.4	460.3	148.9	.....	.....	.....	.....	.....	.....	.....	585.4	2 115.0
Milligan Creek -													
Gething B	.....	.....	27.9	56.2	41.6	60.4	43.4	35.9	53.6	59.3	3.5	2.3	384.1
Halfway A	5 337.2	6 629.4	5 524.5	5 915.8	6 483.9	6 184.3	6 234.5	6 957.1	6 917.9	6 206.0	6 002.3	7 963.9	76 356.8
Totals	5 337.2	6 629.4	5 552.4	5 972.0	6 525.5	6 244.7	6 277.9	6 993.0	6 971.5	6 265.3	6 005.8	7 966.2	76 740.9
Milligan Creek West -													
Halfway B[1]	5.5	8.5	5.9	.....	3.4	4.5	8.1	8.1	.....	.....	.....	.....	44.0
Nettle -													
Gething A	165.9	176.7	258.1	66.3	.....	.....	.....	.....	.....	.....	.....	234.3	901.3
Nig Creek -													
Baldonnel A[1]	.....	.....	.....	.....	93.0	60.9	78.7	62.8	67.6	47.4	9.5	.....	419.9
North Pine -													
North Pine B	118.9	149.0	157.2	141.3	112.8	122.1	104.6	101.5	176.9	144.6	135.6	147.4	1 611.9
North Pine B[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.1	.....	.....	3.1
Totals	118.9	149.0	157.2	141.3	112.8	122.1	104.6	101.5	176.9	147.7	135.6	147.4	1 615.0
Oak -													
Cecil B	102.5	96.8	107.2	118.9	114.4	96.9	106.5	107.6	101.8	107.3	105.7	104.2	1 269.8
Halfway A[1]	108.9	421.6	274.4	312.4	443.6	285.5	.....	222.9	684.3	429.5	220.7	339.3	3 743.1
Halfway B	240.6	414.1	558.9	900.2	1 193.1	1 190.9	1 243.3	1 063.1	1 087.0	1 198.1	899.1	1 010.7	10 999.1
Totals	452.0	932.5	940.5	1 331.5	1 751.1	1 573.3	1 349.8	1 393.6	1 873.1	1 734.9	1 225.5	1 454.2	16 012.0
Osprey -													
Halfway A	389.9	325.1	114.4	355.9	254.6	390.0	353.9	225.0	232.2	251.7	322.7	405.4	3 620.8

Peejay -													
Halfway	12 060.9	10 588.0	11 112.3	9 308.7	11 147.5	10 834.3	9 864.9	10 076.4	10 585.0	10 705.4	10 331.4	11 387.0	128 001.8
Halfway A	140.8	125.8	164.9	137.3	96.9	157.0	152.8	126.3	121.9	149.1	111.1	138.3	1 622.2
Halfway L	64.9	48.9	42.0	41.3	.8	82.5	49.1	58.8	52.9	51.4	52.1	46.9	591.6
Totals	12 266.6	10 762.7	11 319.2	9 487.3	11 245.2	11 073.8	10 066.8	10 261.5	10 759.8	10 905.9	10 494.6	11 572.2	130 215.6
Peejay West -													
Halfway A	461.5	297.1	158.8	429.9	322.7	536.8	483.4	623.4	400.1	613.2	308.8	670.6	5 306.3
Pickell -													
Halfway A[1]	15.5	25.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41.3
Rigel -													
Dunlevy A	246.2	227.9	238.0	139.8	55.8	205.8	122.3	205.9	281.5	251.8	235.5	185.0	2 395.5
Dunlevy E	209.1	195.7	201.0	128.2	180.1	101.9	161.0	140.9	242.4	182.5	184.1	.....	1 926.9
Dunlevy I	111.0	73.8	.....	43.4	17.7	16.6	148.4	153.9	140.8	153.9	136.3	148.4	1 144.2
Totals	566.3	497.4	439.0	311.4	253.6	324.3	431.7	500.7	664.7	588.2	555.9	333.4	5 466.6
Septimus -													
North Pine A	12.9	13.7	3.6	.....	.....	27.5	29.7	27.5	26.3	6.2	2.1	3.7	153.2
Siphon -													
Dunlevy A[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	23.4	40.9	109.2	173.5
Dunlevy C	110.8	36.5	8.4	54.4	42.3	43.0	37.1	35.6	29.2	29.6	15.5	21.9	464.3
Totals	110.8	36.5	8.4	54.4	42.3	43.0	37.1	35.6	29.2	53.0	56.4	131.1	637.8
Siphon East -													
Bluesky A[1]	.....	.....	19.4	12.8	.....	.....	.....	.....	16.1	.....	.....	13.8	62.1
Bluesky A	20.5	10.2	.....	.....	.....	.....	.....	.....	.....	33.8	28.9	32.1	125.5
Totals	20.5	10.2	19.4	12.8	.....	.....	.....	.....	16.1	33.8	28.9	45.9	187.6
Squirrel -													
North Pine A	154.7	127.7	167.8	144.5	165.3	147.7	157.4	138.8	163.5	154.2	146.5	161.1	1 829.2
North Pine B	33.2	18.0	10.3	.....	.....	.....	.....	13.0	70.7	66.2	78.9	47.0	337.3
Totals	187.9	145.7	178.1	144.5	165.3	147.7	157.4	151.8	234.2	220.4	225.4	208.1	2 166.5

[1] Condensate

Table F7 - Monthly Crude Oil and Condensate Production by Fields and Pools - Continued

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Stoddart -													
Cecil A	22.2	25.4	23.2	28.0	21.5	22.6	31.5	26.3	45.5	38.5	36.7	33.3	354.7
Cecil B	.....	196.1	186.1	96.6	139.1	116.1	103.7	126.3	187.4	189.8	138.2	137.5	1 616.9
Cecil C	.....	231.2	155.0	80.4	115.7	96.7	70.4	71.8	113.0	11.0	.....	.....	945.2
Belloy A[1]	52.6	46.2	49.6	50.0	41.8	55.3	.....	.....	.....	43.0	.....	91.4	430.1
Belloy C	340.8	361.3	418.9	352.1	.....	369.0	421.9	382.5	599.2	521.5	455.2	590.3	4 810.7
Totals	415.6	860.2	832.8	607.1	318.1	659.7	627.5	606.9	945.1	804.0	628.1	852.5	8 157.6
Stoddart South -													
Belloy A	608.4	627.9	676.7	335.8	357.4	610.2	722.6	460.4	450.5	463.6	364.1	369.0	6 046.6
Belloy C	8.0	40.3	83.8	17.6	.....	23.5	.....	.....	39.1	.....	.....	.....	212.3
Totals	616.4	668.2	760.5	353.4	357.4	633.7	722.6	460.4	489.6	463.6	364.1	369.0	6 258.9
Stoddart West -													
North Pine A	124.1	173.5	261.2	253.2	.....	168.9	257.0	232.3	211.6	217.1	218.3	224.8	2 342.0
Doig B	83.7	162.4	142.1	73.7	122.6	107.9	121.8	141.0	107.9	115.9	95.2	83.4	1 357.6
Belloy A[1]	397.3	238.3	164.6	227.2	132.0	47.9	9.9	137.9	311.1	298.6	207.1	245.3	2 417.2
Belloy C	4 639.0	4 225.9	4 143.7	3 413.4	3 752.8	4 127.9	5 003.3	4 873.5	5 311.4	5 675.6	5 533.8	5 000.9	55 701.2
Belloy C[1]	.....	.....	.....	.....	.....	10.0	.....	.....	.....	.....	.....	.....	10.0
Belloy D[1]	22.5	22.0	28.7	23.9	25.6	31.7	.....	.....	.....	.....	.....	.....	208.7
Totals	5 266.6	4 822.1	4 740.3	3 991.4	4 033.0	4 494.3	5 392.0	5 400.8	5 942.0	6 307.2	6 072.0	5 575.0	62 036.7
Two Rivers -													
Halfway A[1]	.....	.....	.....	.....	24.9	6.5	.....	.....	.....	.....	.....	.....	31.4
Halfway B	97.7	90.4	27.9	.....	11.7	91.3	82.0	78.8	77.5	104.3	88.0	54.4	804.0
Totals	97.7	90.4	27.9	.....	36.6	97.8	82.0	78.8	77.5	104.3	88.0	54.4	835.4
Wessel -													
Halfway	7 249.5	6 666.5	7 655.5	5 565.3	7 472.8	5 523.5	7 690.1	8 383.3	7 889.2	8 300.0	7 869.9	7 373.7	87 639.3
Halfway B	220.5	180.6	180.9	176.9	176.0	152.4	137.7	116.2	23.1	6.3	142.4	154.8	1 667.8
Halfway F	329.4	257.6	71.7	1.7	298.1	341.0	178.9	187.7	164.1	187.4	109.9	69.5	2 197.0
Totals	7 799.4	7 104.7	7 908.1	5 743.9	7 946.9	6 016.9	8 006.7	8 678.2	8 076.4	8 493.7	8 122.2	7 598.0	91 504.1

Wessel West -													
Halfway A	1 041.8	815.5	845.0	691.9	559.7	612.1	966.4	599.7	899.4	637.1	984.2	1 065.1	9 717.9
Halfway B	101.1	80.3	145.6	99.8	53.8	94.8	82.9	66.2	76.8	41.1	115.3	111.1	1 068.8
Totals	1 142.9	895.8	990.6	791.7	613.5	706.9	1 049.3	665.9	976.2	678.2	1 099.5	1 176.2	10 786.7
Wildmint -													
Upper Halfway A	458.3	657.6	689.1	526.1	461.0	408.5	400.6	360.6	319.0	333.2	354.7	632.4	5 601.1
Halfway A	3 296.8	3 267.2	3 471.3	2 419.4	3 180.5	2 692.3	3 093.5	2 959.3	1 845.1	2 757.5	2 995.7	2 956.3	34 934.9
Totals	3 755.1	3 924.8	4 160.4	2 945.5	3 641.5	3 100.8	3 494.1	3 319.9	2 164.1	3 090.7	3 350.4	3 588.7	40 536.0
Willow -													
Gething A	115.9	154.0	131.4	62.5	108.0	115.0	82.9	110.0	160.2	80.2	119.7	101.0	1 340.8
Wolf -													
Halfway A	643.7	629.0	691.4	631.2	937.5	832.1	907.6	855.8	778.0	811.1	798.2	752.5	9 268.1
Other Areas -													
Septimus	8.3	138.1	119.0	.....	.....	.....	.....	.....	.....	.....	80.9	184.1	530.4
Confidential	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.9	17.9
Confidential[1]	.....	.....	41.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	41.8
Totals	8.3	138.1	160.8	.....	.....	.....	.....	.....	.....	.....	80.9	202.0	590.1
Totals -													
Crude	175 677.4	162 777.7	180 828.2	153 236.6	167 579.1	162 023.4	175 240.2	177 584.0	180 026.6	182 162.3	175 221.0	184 176.3	2 076 532.8
Condensate	2 256.8	1 992.9	1 428.8	1 675.5	1 160.2	1 671.8	1 195.7	1 636.1	2 403.0	1 448.5	1 321.8	2 172.4	20 361.5
Totals	177 934.2	164 770.6	182 257.0	154 910.1	168 739.3	163 695.2	176 435.9	179 220.1	182 429.6	183 610.8	176 542.8	186 348.7	2 096 894.3

[1] Condensate

Table F8 - Monthly Non-associated and Associated Gas Production by Fields and Pools

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Airport -													
Bluesky A	299.2	206.0	85.6	.5	223.9	351.8	252.0	280.3	103.4	.....	.....	37.6	1 840.3
Dunlevy A	593.7	452.0	494.7	430.8	.....	56.2	533.3	518.8	475.2	212.0	173.3	674.4	4 614.4
Totals	892.9	658.0	580.3	431.8	223.9	408.0	785.3	799.1	578.6	212.0	173.3	712.0	6 454.7
Aitken Creek -													
Gething A	.....	.....	.....	762.4	88.2	.....	.....	.....	.....	.....	.....	.....	850.6
Gething A[1]	4 640.8	4 082.4	4 536.5	3 992.5	4 551.9	3 791.9	3 879.6	4 255.6	4 263.1	4 377.7	4 418.1	4 407.9	51 178.0
Totals	4 640.8	4 082.4	4 536.5	4 754.9	4 640.1	3 791.9	3 879.6	4 255.6	4 263.1	4 377.7	4 418.1	4 407.9	52 028.6
Attachie--Upper Kiskatinaw A	1 708.2	3 471.0	1 299.0	1 221.8	354.7	.....	1 679.6	1 339.9	700.5	1 018.7	833.7	1 744.2	15 371.3
Bear Flat--North Pine A[1]	1 376.9	1 231.2	1 441.3	1 177.7	1 342.5	1 353.4	1 251.2	1 376.7	1 352.8	1 318.6	1 356.0	1 425.4	16 005.7
Beatton River -													
Halfway A[1]	75.7	78.1	84.0	57.4	81.2	59.1	62.2	50.2	89.8	86.2	98.9	72.3	895.1
Halfway C[1]	35.4	48.8	48.4	24.5	50.7	55.8	40.7	45.5	64.0	56.4	12.2	76.8	559.2
Halfway D[1]	161.9	144.5	143.7	132.4	144.2	122.5	155.8	153.9	135.7	149.0	142.2	147.7	1 733.5
Totals	273.0	271.4	276.1	214.3	276.1	237.4	258.7	249.6	289.5	291.6	253.3	296.8	3 187.8
Beatton River West--Bluesky A[1]	124.8	140.5	194.6	138.9	134.8	154.1	112.9	94.5	159.4	181.8	72.5	148.6	1 648.4
Beaverdam--Upper Halfway A	282.8	187.1	1 365.8	642.1	1 137.9	1 220.9	1 480.3	1 506.6	1 341.2	1 299.3	1 362.2	1 433.8	13 250.2
Beavertail -													
Gething A	9 007.1	8 506.4	4 142.6	2 541.3	1 965.6	2 440.8	5 099.8	3 916.0	5 689.5	3 363.7	5 547.7	6 948.7	59 169.2
Halfway B[1]	4.9	9.0	10.6	10.6	7.7	9.0	14.5	10.3	12.4	14.4	8.4	16.8	128.6
Totals	9 012.0	8 515.4	4 153.2	2 551.9	1 973.3	2 449.8	5 114.3	3 926.3	5 701.9	3 378.1	5 556.1	6 965.5	59 297.8

Beg -													
Baldonnel B	5 859,9	4 727,4	4 903,8	5 345,5	4 681,2	.....	.....	.....	376,4	1 855,5	3 689,8	5 271,1	36 708,6
Baldonnel C	2 701,0	2 226,1	2 338,5	2 153,3	1 860,7	159,7	.....	1 602,3	1 720,5	248,8	100,3	298,1	15 408,3
Halfway A	8 938,2	6 375,1	3 355,3	8 618,1	7 331,7	578,2	.....	448,9	4 405,8	2 612,5	5 547,6	7 529,3	55 740,9
Totals	17 499,1	13 328,6	10 597,8	16 116,9	13 873,6	737,9	.....	2 051,2	6 502,7	4 714,8	9 337,7	13 098,5	107 856,8
Bernadet -													
Bluesky C	341,8	295,9	301,4	252,3	126,4	106,6	.....	.....	87,5	.....	31,0	203,5	1 746,4
Dunlevy A	1 298,8	1 153,7	1 146,5	1 112,5	491,9	.....	.....	.....	713,9	617,0	963,6	1 229,5	8 727,4
Totals	1 640,6	1 449,6	1 447,9	1 364,8	618,3	106,6	.....	.....	801,4	617,0	994,6	1 433,0	10 473,8
Birch -													
Gething B	72,6	53,8	,2	6,0	41,8	48,0	43,4	98,7	44,2	34,6	31,0	56,8	531,1
Baldonnel A	371,9	123,5	1,3	199,6	216,2	177,9	230,6	217,7	7,3	59,9	123,2	238,0	1 967,1
Baldonnel B	1 262,2	779,4	1,5	841,5	812,9	945,0	947,7	914,5	785,4	611,8	630,1	1 040,5	9 570,5
Baldonnel C[1]	98,8	102,6	113,2	96,9	.....	133,1	156,5	73,3	114,1	111,9	120,1	131,6	1 252,1
Halfway A	928,6	746,3	2,0	588,6	908,5	912,2	768,0	596,7	790,6	543,1	526,5	867,6	8 178,7
Totals	2 734,1	1 805,6	118,2	1 732,6	1 979,4	2 216,2	2 146,2	1 900,9	1 759,6	1 361,3	1 430,9	2 334,5	21 498,5
Blueberry -													
Dunlevy A	640,6	975,7	622,7	528,6	532,5	566,0	366,1	779,3	635,3	548,9	1 020,5	1 003,7	7 821,9
Dunlevy B	960,1	872,3	1 048,0	989,5	1 026,0	460,7	.....	.....	352,0	179,4	614,1	1 283,2	7 785,3
Baldonnel B	36,3	105,4	.....	.....	120,8	.....	.....	.....	.....	.....	.....	.....	262,5
Debolt A[1]	402,6	349,8	375,7	251,9	412,3	393,3	427,3	370,4	448,3	384,2	536,2	503,3	4 855,3
Debolt B[1]	1 013,5	1 391,4	1 198,5	1 108,5	1 383,5	1 336,4	1 676,5	1 497,8	1 465,9	1 309,3	1 550,5	1 426,0	16 359,8
Totals	3 055,1	3 294,6	3 244,9	2 878,5	3 475,1	2 760,4	2 469,9	2 647,5	2 901,5	2 421,8	3 721,3	4 196,2	37 084,8

[1] Associated gas

Table P8 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Boundary Lake -													
Bluesky B	95.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95.4
Gething A	704.4	589.7	599.7	.....	.....	.....	.....	.....	.....	388.8	662.3	889.5	3 984.4
Baldonnel B	1 835.1	1 376.2	1 788.6	809.8	.....	.....	.....	.....	.....	1 144.8	1 839.6	1 695.2	10 488.5
Baldonnel C	624.1	519.5	482.1	.....	.....	.....	.....	.....	.....	428.2	600.1	881.4	3 343.4
Cecil A[1]	1.8	2.3	1.8	3.2	2.6	17.3	2.5	3.9	2.4	5.1	3.0	3.1	49.0
Cecil B[1]	.....	.....	.....	.....	.....	3.1	2.8	4.3	5.6	5.7	5.3	.....	26.8
Boundary Lake A[1]	6 356.0	5 879.8	6 656.8	5 693.3	5 449.0	5 025.4	5 617.3	6 006.8	5 368.6	5 849.5	5 592.2	5 332.1	68 826.8
Basal Boudary A	169.4	160.0	139.7	.....	.....	.....	.....	.....	.....	94.7	181.3	178.5	923.6
Halfway A[1]	33.0	672.0	622.7	691.5	690.3	741.7	32.2	39.2	41.6	47.6	56.9	52.8	3 771.5
Totals	9 819.2	9 199.5	10 091.4	7 197.8	6 141.9	5 787.5	5 654.8	6 054.2	5 418.2	7 964.4	8 948.7	8 752.6	91 850.2
Boundary Lake North -													
Halfway B	2 144.7	1 065.1	1 138.7	1 159.8	.....	.....	1 350.1	1 104.2	1 340.5	395.8	193.3	627.8	10 520.0
Halfway C	736.7	559.6	523.5	716.5	546.7	670.0	604.3	682.8	652.9	650.7	605.8	624.0	7 573.5
Halfway D[1]	82.6	75.1	95.5	97.6	97.2	88.3	15.9	49.8	53.8	51.4	40.8	48.1	796.1
Halfway E	97.7	106.5	72.4	9.5	.....	.....	149.8	153.8	113.0	45.9	45.3	87.5	881.4
Totals	3 061.7	1 806.3	1 830.1	1 983.4	643.9	758.3	2 120.1	1 990.6	2 160.2	1 145.8	885.2	1 387.4	19 771.0
Bubbles—Baldonnel A	6 091.2	1 264.3	.....	.....	.....	.....	.....	.....	.....	.....	1 673.4	5 975.0	15 003.9
Bubbles North -													
Baldonnel A	1 558.3	1 835.7	1 286.6	1 358.7	1 061.7	1 060.7	1 290.5	1 532.1	1 020.0	.....	912.2	.....	12 916.5
Halfway A	.....	.....	.....	.....	.....	.....	.....	.....	356.8	.....	396.2	127.6	880.6
Totals	1 558.3	1 835.7	1 286.6	1 358.7	1 061.7	1 060.7	1 290.5	1 532.1	1 376.8	.....	1 308.4	127.6	13 797.1

Bulck Creek -													
Bluesky A	295,5	264,3	298,4	22,0	778,6	713,1	740,6	653,8	123,9	107,1	153,0	344,0	4 494,3
Bluesky C	2 156,6	2 335,0	1 659,5	178,2	1 189,2	789,8	1 999,6	163,7	164,6	1 677,9	2 704,0	2 863,3	17 881,4
Bluesky D	253,3	288,4	122,2	1,2	.....	54,3	.....	.....	.....	.....	.....	547,6	1 067,0
Gething A	164,9	149,7	132,8	121,3	128,4	117,5	.....	.....	.....	.....	327,4	156,7	1 298,7
Dunlevy A	8 187,7	4 815,5	4 843,8	1 315,6	2 352,3	2 079,1	3 748,5	913,3	1 404,5	3 791,8	3 959,6	5 199,9	42 611,6
Dunlevy A[1]	.....	.....	.....	.....	.....	,6	3,8	.....	.....	.....	.....	.....	4,6
Dunlevy B	6 643,1	5 766,4	4 495,8	902,7	2 395,1	2 530,1	3 261,0	2 615,2	1 673,4	1 168,0	3 269,8	5 968,4	40 689,0
Dunlevy C	3 971,9	4 198,9	3 299,9	2 699,2	1 734,2	2 764,6	1 942,6	1 294,9	2 158,4	1 228,8	2 117,5	5 038,0	32 448,9
Dunlevy G	155,0	55,5	49,6	67,1	30,3	29,6	.....	.....	.....	.....	151,1	230,3	768,5
Dunlevy H	4 245,2	2 455,2	2 670,2	274,4	2 497,9	2 557,3	2 139,9	2 680,7	2 557,3	1 896,9	1 578,0	3 010,3	28 563,5
Dunlevy I	3 522,8	1 084,2	.....	.....	.....	.....	.....	.....	552,1	.....	1 772,1	1 960,0	8 891,2
Dunlevy K	.....	1 230,4	2 466,8	2 253,6	1 616,9	1 566,4	.....	.....	644,6	1 206,3	1 991,7	248,1	13 204,8
Doig A[1]	2 722,1	2 443,9	2 478,5	1 595,4	2 596,8	2 551,6	2 474,6	2 528,2	2 731,2	2 377,8	2 898,4	2 543,3	29 899,8
Totals	32 518,1	25 087,4	22 517,5	9 568,7	15 519,7	15 755,4	16 506,8	10 849,8	12 010,0	13 454,6	20 922,6	27 909,9	221 818,5
Bulck Creek North -													
Bluesky A	3 971,6	2 244,5	1 016,3	3 040,5	2 454,9	2 333,1	3 672,1	3 000,7	3 029,0	1 333,6	2 250,4	3 401,2	31 727,7
Dunlevy A	1 724,1	676,6	279,2	1 012,8	580,7	196,9	705,1	760,9	475,0	861,1	452,3	436,9	8 161,6
Dunlevy B	769,8	728,8	570,6	499,8	419,7	254,5	445,2	413,4	486,2	369,3	452,5	415,5	5 825,3
Totals	6 465,5	3 649,9	1 866,1	4 552,9	3 455,3	2 784,5	4 822,4	4 175,0	3 990,2	2 564,0	3 135,2	4 253,6	45 714,6
Bulck Creek West -													
Bluesky A	4 558,8	4 119,8	437,9	4 343,0	3 383,0	3 156,5	2 056,5	1 511,6	1 344,1	2 131,0	3 341,4	4 629,4	35 012,6
Bluesky C	139,3	7,5	.....	.....	136,5	126,1	42,0	.....	.....	70,0	154,6	72,8	748,8
Dunlevy A	921,0	653,7	200,8	504,2	284,3	32,4	76,8	48,3	202,6	525,2	372,2	262,1	4 153,6
Dunlevy B	3 055,4	2 497,0	1 517,8	2 340,2	1 865,4	1 216,1	1 479,4	2 050,6	1 490,0	1 727,7	2 648,5	2 335,4	24 223,5
Dunlevy D[1]	18,4	12,0	7,2	4,9	.....	.....	5,0	.....	.....	2,4	6,9	5,0	61,8
Baldonnel A	83,3	5,2	68,6	72,7	84,0	97,9	98,2	107,7	100,0	85,3	95,0	99,2	995,1
Totals	8 846,2	7 295,2	2 251,9	7 269,0	5 753,2	4 629,0	3 757,9	3 718,2	3 136,7	4 541,6	6 618,6	7 403,9	65 195,4
Bulrush -													
Halfway A[1]	1 780,7	1 351,9	71,2	1 329,1	1 518,5	1 820,6	1 635,2	1 769,1	2 005,0	1 556,9	1 727,3	1 922,9	18 488,4
Halfway B[1]	31,7	146,7	75,0	113,7	127,7	85,7	111,5	117,2	101,8	109,9	45,3	118,2	1 184,4
Totals	1 812,4	1 498,6	146,2	1 442,8	1 646,2	1 906,3	1 746,7	1 886,3	2 106,8	1 666,8	1 772,6	2 041,1	19 672,8

[1] Associated gas

Table P6 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Bullmoose—Baldonnel A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 194.9	21 862.6	25 057.5
Cable -													
Slave Point B	4 357.5	3 029.5	3 503.5	3 105.3	1 148.0	.....	.....	.....	.....	1 562.8	3 103.2	4 065.9	23 875.7
Slave Point C	769.2	650.6	642.8	.....	.....	.....	.....	.....	.....	512.9	1 007.3	186.2	3 769.0
Slave Point D	1 552.7	992.2	2 299.6	.....	.....	.....	.....	.....	.....	.....	1 529.4	1 850.2	8 224.1
Totals	6 679.4	4 672.3	6 445.9	3 105.3	1 148.0	.....	.....	.....	.....	2 075.7	5 639.9	6 102.3	35 868.8
Cache Creek -													
Coplin A	2 503.7	2 975.6	2 441.6	2 444.2	1 251.3	1 735.6	1 823.1	912.2	1 249.6	739.2	421.6	1 314.7	19 812.4
Halfway A	2 789.3	5 558.2	6 550.6	3 696.6	3 613.0	5 635.2	7 375.8	4 295.2	3 556.4	2 582.4	1 028.1	6 343.6	52 958.4
Totals	5 293.0	8 534.8	8 992.2	6 140.8	4 864.3	5 370.8	9 198.9	5 117.4	4 806.0	3 321.6	1 449.7	7 657.3	76 146.8
Cecil Lake -													
Siphon A[1]	13.1	8.3	11.4	13.9	12.5	19.9	17.8	20.8	19.4	20.4	17.8	19.9	195.2
Cecil A[1]	82.2	76.9	83.8	57.2	23.8	121.7	106.4	98.8	130.0	115.4	117.7	118.2	1 134.1
Cecil B[1]	35.4	211.8	.....	.....	.....	.....	.....	.....	.....	45.5	4.1	.8	297.6
North Pine A	2 578.5	2 561.4	2 283.0	1 972.5	1 806.7	861.9	2 539.4	2 551.7	2 406.2	2 446.0	2 201.1	2 335.9	26 544.3
North Pine A[1]	843.0	817.3	543.3	635.2	608.6	267.3	806.5	916.5	994.6	879.2	968.5	946.7	9 226.7
North Pine B[1]	11.8	15.5	4.5	23.2	24.5	37.6	35.4	40.9	37.5	.....	.....	.....	230.9
North Pine C[1]	355.0	345.5	345.7	317.4	156.0	250.3	335.9	277.5	240.2	220.3	277.6	273.5	3 384.9
Totals	3 919.0	4 036.7	3 271.7	3 019.4	2 632.1	1 558.7	3 841.4	3 906.2	3 827.9	3 726.8	3 586.8	3 687.6	41 013.7
Clarke Lake—Slave Point A	92 038.9	96 451.2	84 782.0	61 109.0	56 118.3	16 331.7	.....	.....	.....	77 236.5	95 265.8	78 462.9	657 796.3
Commotion—Baldonnel A	6 241.0	5 696.4	4 049.6	6 143.4	.....	.....	.....	.....	.....	.....	1 656.3	7 174.6	38 981.3
Crush—Halfway A[1]	482.8	358.6	311.9	586.1	376.4	315.4	326.8	298.0	275.6	295.4	268.8	282.2	3 978.0
Currant—Halfway A[1]	482.6	695.5	599.6	882.4	944.0	857.4	66.5	476.3	616.7	818.3	858.3	980.7	8 278.3
Currant West—Halfway A[1]	1 765.3	1 682.0	1 376.1	1 327.3	.....	83.8	1 579.7	1 564.3	471.6	715.6	1 445.6	1 307.4	15 316.7
Dahl—Bluesky A	18 984.5	13 773.2	12 993.7	1 252.4	10 891.7	10 071.2	13 0871.8	13 045.8	11 228.9	5 317.0	11 185.0	16 657.3	138 488.5

Doe--Kobemun A	1 044,2	741,7	622,8	16,6	5,4	.....	.....	192,0	556,6	1 204,7	878,9	954,5	6 197,4
Drake -													
Halfway B[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,3	9,6	18,9
Confidential[1]	.....	.....	.....	.....	.....	.....	10,7	11,5	16,2	13,5	34,8	28,2	114,9
Totals	.....	.....	.....	.....	.....	.....	10,7	11,5	16,2	13,5	44,1	37,8	133,8
Eagle -													
Siphon A[1]	4,9	4,6	6,9	3,3	4,1	,7	4,3	5,5	4,2	4,7	4,2	6,2	53,6
Cecil A[1]	233,3	501,9	612,1	552,2	.....	.....	454,0	511,7	427,1	553,3	325,9	524,0	4 695,5
Bailey B[1]	634,9	540,5	649,3	313,1	335,8	387,9	509,5	584,9	660,4	754,7	608,2	629,3	6 608,5
Bailey F[1]	3 584,9	3 396,9	4 541,9	3 560,8	3 905,5	3 539,8	3 909,7	4 135,8	4 267,0	4 546,0	3 964,1	4 799,9	48 148,3
Totals	4 458,0	4 443,9	5 810,2	4 429,4	4 245,4	3 928,4	4 877,5	5 237,9	5 358,7	5 858,7	4 902,4	5 959,4	59 505,9
Ekwan -													
Slave Point A	.....	.....	279,2	59,4	.....	.....	.....	.....	.....	.....	.....	.....	338,6
Slave Point B	.....	.....	496,1	51,7	.....	.....	.....	.....	.....	.....	.....	.....	547,8
Totals	.....	.....	775,3	111,1	.....	.....	.....	.....	.....	.....	.....	.....	886,4
Fireweed -													
Bluesky A	1 556,6	2 381,9	472,5	816,3	428,9	836,4	721,2	48,0	380,7	395,2	2 976,6	1 105,1	12 119,4
Dunlevy A	2 968,5	3 605,9	1 879,3	2 247,4	1 538,7	1 808,7	3 014,5	1 665,7	208,3	896,1	5 102,5	2 546,9	25 482,5
Dunlevy B	996,9	1 112,0	462,1	939,6	.....	505,9	203,4	63,3	214,2	403,2	2 254,4	1 710,1	8 865,1
Dunlevy C	957,6	820,4	39,2	.....	611,1	853,4	.....	.....	.....	.....	.....	.....	3 281,7
Dunlevy D	4 746,4	2 715,5	1 044,6	2 249,2	1 405,5	1 600,6	2 514,4	1 250,3	1 357,9	891,8	2 125,6	1 658,5	23 560,3
Dunlevy D[1]	.....	.....	18,3	19,1	25,4	25,0	5,9	27,6	29,1	9,7	.....	.....	160,1
Dunlevy H	1 007,3	954,1	486,2	1 091,0	875,6	1 200,9	.....	.....	.....	.....	334,7	1 021,7	6 971,5
Baldonnel A	.....	176,0	27,2	.....	.....	.....	.....	.....	31,2	28,0	293,6	186,5	742,5
Totals	12 235,3	11 765,8	4 429,4	7 362,6	4 885,2	6 850,9	6 459,4	3 054,9	2 221,4	2 624,0	11 087,4	8 228,8	81 185,1

[1] Associated gas

Table P8 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Fistrock -													
Siphon A	1 883.7	979.8	1 106.5	1 325.6	.....	.....	.....	.....	229.1	2 164.0	1 858.4	1 705.6	11 252.7
Siphon B	156.3	63.4	100.4	413.2	141.4	416.5	500.3	502.9	632.4	259.4	112.7	42.3	2 941.2
Boundary Lake A[1]	2.9	8.7	4.9	6.6	3.9	10.5	5.7	2.4	2.8	11.0	11.5	12.0	82.9
Boundary Lake B[1]	75.8	66.3	58.7	52.1	69.7	65.0	92.9	90.0	57.4	86.4	88.1	82.8	885.2
Halfway A	534.4	337.7	264.3	340.2	.....	.....	.....	.....	468.2	482.2	257.9	196.8	2 881.7
Halfway B	538.6	456.1	280.9	427.5	.....	.....	.....	.....	.....	252.0	411.1	475.2	2 881.4
Halfway E	3 074.1	2 883.3	2 036.7	1 314.7	.....	947.7	2 390.5	2 740.5	1 599.3	1 495.1	838.7	1 756.8	20 877.4
Halfway E[1]	197.9	405.4	736.0	524.9	323.2	457.9	475.7	345.5	428.4	439.8	498.5	878.4	5 [illegible].6
Halfway F[1]	.....	.....	.....	.....	.....	.....	.....	.....	.[5]	.....	.....	.....	.[5]
Totals	6 481.7	5 200.7	4 588.4	4 404.8	558.2	1 897.6	3 265.1	3 481.3	3 218.1	5 188.9	4 068.9	4 641.9	46 954.6
Fistrock West—Halfway A	1 855.1	1 664.7	1 437.5	1 816.1	33.1	1 153.2	2 104.7	1 432.3	1 454.1	738.9	706.8	1 287.8	15 684.3
Fort St John -													
Baldonnel A	1 928.3	1 667.3	802.9	.....	.....	.....	.....	1 053.1	1 811.7	1 956.9	2 296.3	2 631.4	14 147.9
Baldonnel B	156.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	163.9	127.8	447.8
Charlie Lake A[1]	784.2	665.1	542.8	169.5	80.0	132.2	196.4	652.9	638.7	725.3	724.5	659.3	5 [illegible].9
Halfway A	520.3	460.2	258.2	.....	.....	.....	.....	294.0	508.2	529.5	759.7	711.3	4 032.4
Halfway C	3 118.0	2 235.8	2 744.6	2 451.8	65.8	163.5	1 156.7	990.4	770.1	957.7	916.8	647.7	16 [illegible].9
Belloy A	123.8	106.0	41.2	.....	.....	.....	.....	224.4	128.4	60.3	717.9	965.7	2 367.7
Totals	6 630.7	5 134.4	4 389.7	2 621.3	145.8	295.7	1 353.1	3 214.8	3 857.1	4 209.7	5 579.1	5 743.2	43 178.6
Fort St John Southeast -													
Baldonnel A	885.5	61.5	.....	.....	.....	.....	.....	.....	99.4	1 571.2	1 315.7	1 078.0	5 011.3
Siphon A	812.0	62.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	874.1
Halfway A	987.1	89.9	.....	.....	.....	.....	.....	.....	121.1	1 832.0	1 566.8	1 384.5	5 [illegible].0
Belloy A	2 537.8	159.3	.....	.....	.....	.....	.....	.....	74.4	2 284.5	2 349.6	1 847.4	9 [illegible].0
Totals	5 217.0	372.8	.....	.....	.....	.....	.....	.....	294.9	5 687.7	5 252.1	4 319.9	21 124.4
Goose -													
North Pine A	208.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	208.4
North Pine B	36.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.0
Totals	244.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	244.4

Gopher--Halfway A	551.9	438.7	485.7	243.7	.....	.....	282.7	303.6	592.1	140.4	57.9	484.2	3 580.9
Gote--Sulphur Point A	4 871.1	2 696.0	3 255.3	2 704.9	2 372.6	1 643.5	.....	.....	.....	2 450.7	3 838.7	4 086.8	27 919.6
Graham -													
Gething A	.....	.....	184.9	162.9	198.5	39.3	.....	.....	.....	.....	.....	216.4	802.0
Dunlevy A	142.2	166.7	88.0	143.1	88.0	68.2	77.4	42.0	15.7	44.7	9.2	93.8	979.0
Debolt A	956.9	1 036.9	375.9	671.6	375.9	397.4	422.3	43.2	96.3	125.1	57.5	149.5	4 708.5
Debolt B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30.2	30.2
Totals	1 099.1	1 203.6	648.8	977.6	662.4	504.9	499.7	85.2	112.0	169.8	66.7	489.9	6 519.7
Grizzly North -													
Dunlevy A	10 095.1	10 086.3	7 421.2	8 381.8	8 721.9	5 754.9	245.6	.....	146.3	1 462.6	8 720.7	9 584.3	70 620.7
Baldonnel A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6 244.1	6 244.1
Halfway A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4 095.8	.....	4 095.8
Totals	10 095.1	10 086.3	7 421.2	8 381.8	8 721.9	5 754.9	245.6	.....	146.3	1 462.6	12 816.5	15 828.4	80 960.6
Grizzly South--Dunlevy A	10 014.3	8 185.0	5 529.1	5 933.1	5 810.7	4 950.3	.....	.....	.....	364.6	4 905.6	3 249.6	48 942.3
Gundy Creek -													
Dunlevy A	51.6	44.1	33.0	37.9	41.1	54.2	18.9	.....	43.7	15.4	13.1	36.4	389.4
Baldonnel A	75.1	79.4	78.2	.....	.....	.....	.....	.....	22.2	22.3	13.3	56.3	345.8
Baldonnel B	877.4	713.0	558.1	529.1	508.0	606.2	734.7	762.4	755.8	198.3	207.7	574.7	7 025.4
Totals	1 004.1	836.5	669.3	567.0	549.1	660.4	753.6	762.4	821.7	236.0	234.1	667.4	7 761.6
Gundy Creek West -													
Dunlevy A	1 078.1	1 066.1	840.6	921.0	920.6	930.9	1 052.2	497.0	1 086.3	279.9	363.8	1 176.7	10 213.2
Baldonnel A	1 047.8	867.7	937.7	693.4	30.6	79.8	885.4	1 452.6	741.1	248.6	201.9	364.6	7 551.2
Totals	2 125.9	1 933.8	1 778.3	1 614.4	951.2	1 010.7	1 937.6	1 949.6	1 827.4	528.5	565.7	1 541.3	17 764.4
Helmet -													
Jean Marie A	75.9	686.0	559.9	357.2	77.5	.....	.....	.....	.....	.....	.....	17.8	1 774.3
Slave Point A	29 336.3	22 353.4	24 601.0	18 201.8	3 144.8	.....	.....	.....	.....	11 440.2	25 041.8	29 515.3	163 634.6
Slave Point B	1 209.4	561.3	913.0	1 006.1	314.4	.....	.....	.....	.....	445.8	1 092.5	1 367.2	6 909.7
Totals	30 621.6	23 600.7	26 073.9	19 565.1	3 536.7	.....	.....	.....	.....	11 886.0	26 134.3	30 900.3	172 318.6

[1] Associated gas

Table P8 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Helmet North --Jean Marie A	2 230,3	1 689,7	2 247,5	2 107,4	384,8	.....	.....	.....	.....	.....	.....	2 192,6	10 852,3
Highway -													
Halfway A	1 730,1	.....	.....	.....	.....	.....	.....	.....	.....	.....	500,6	.....	2 230,7
Halfway B	1 009,7	.....	.....	.....	.....	.....	.....	.....	.....	.....	386,7	.....	1 396,4
Totals	2 739,8	.....	.....	.....	.....	.....	.....	.....	.....	.....	887,3	.....	3 627,1
Hotford--Slave Point A	815,4	797,2	784,7	552,6	.....	.....	.....	.....	.....	309,7	1 347,0	871,8	5 478,4
Inga -													
Gething A	92,8	58,2	72,2	50,0	44,9	126,4	135,4	190,7	166,3	169,1	142,9	143,8	1 392,7
Dunlevy A	2 042,8	1 548,4	1 015,4	1 295,7	1 797,1	2 104,0	1 642,8	938,9	96,8	491,1	972,6	1 524,4	15 470,0
Coplin A	1 390,7	1 082,1	625,9	1 319,6	1 116,0	858,1	.....	.....	683,3	500,1	1 370,3	1 435,7	10 381,8
Inga A	9 660,5	10 061,3	4 237,3	6 648,7	9 913,6	13 063,8	9 590,1	7 171,9	7 851,5	5 001,8	6 687,5	6 963,7	96 891,7
Inga A[1]	3 288,2	3 288,3	3 506,4	3 413,7	3 047,6	3 010,2	3 528,0	3 890,6	3 620,5	3 548,0	3 492,1	3 652,8	41 386,4
Inga B[1]	25,8	20,6	32,1	20,7	23,3	35,6	25,5	14,0	20,6	13,2	24,8	14,4	270,6
Totals	16 500,8	16 058,9	9 489,3	12 748,4	15 942,5	19 198,1	14 921,8	12 206,1	12 439,0	9 725,3	12 690,2	13 754,8	165 653,2
Jedney -													
Baldonnel A	15 387,6	6 904,6	5 797,2	7 394,0	2 644,0	8 453,6	8 925,1	13 813,7	14 769,0	4 839,7	13 457,6	13 719,0	116 105,1
Halfway A	9 217,2	4 657,4	3 748,6	4 442,6	1 484,1	4 236,9	5 278,0	7 097,3	9 269,4	3 023,7	7 207,7	6 002,5	65 665,4
Totals	24 604,8	11 562,0	9 545,8	11 836,6	4 128,1	12 690,5	14 203,1	20 911,0	24 038,4	7 863,4	20 665,3	19 721,5	181 770,5
Julienne Creek -													
Baldonnel A	909,7	685,7	6,9	99,7	321,3	442,3	.....	.....	.....	.....	19,8	.....	2 485,4
Halfway A	.....	289,3	.....	.....	216,9	24,7	.....	.....	.....	.....	.....	252,1	783,0
Totals	909,7	975,0	6,9	99,7	538,2	467,0	.....	.....	.....	.....	19,8	252,1	3 268,4
Julienne Creek North--Debolt A	932,0	839,1	739,4	909,7	525,6	778,6	662,7	634,3	617,8	286,0	33,8	284,0	7 243,0
Julienne Creek South-													
Debolt A	.....	363,7	366,3	319,3	291,1	370,7	308,6	187,0	34,6	.....	5,4	390,8	2 637,5
Debolt B	31,0	.....	.....	.....	.....	.....	.....	76,7	62,0	77,4	62,6	50,3	360,0
Totals	31,0	363,7	366,3	319,3	291,1	370,7	308,6	263,7	96,6	77,4	68,0	441,1	2 997,5

Junior--Slave Point A	1 632,1	1 639,9	3 886,4	720,0	.....	.....	.....	.....	.....	.....	.....	.....	7 878,4
Klua -													
Debolt A	42,0	31,6	23,8	33,2	4,8	.....	.....	.....	.....	.....	28,3	32,2	201,9
Slave Point B	4 350,6	3 906,0	5 076,7	2 768,3	2 630,1	1 282,4	.....	.....	.....	2 025,9	3 799,3	4 642,8	30 482,1
Slave Point D	4 759,3	4 647,8	5 229,0	4 822,2	5 083,6	3 614,4	.....	.....	.....	.....	.....	4 814,2	32 970,5
Slave Point E	446,6	532,2	624,7	638,7	647,2	441,5	.....	.....	.....	.....	.....	742,2	4 073,1
Pine Point A	4 990,4	3 881,1	5 132,6	3 357,1	531,5	.....	.....	.....	.....	.....	4 096,2	5 203,5	27 192,4
Pine Point B	7 220,5	5 604,4	6 108,6	2 851,6	483,8	.....	.....	.....	.....	.....	5 255,0	6 711,0	34 234,9
Totals	21 809,4	18 605,1	22 201,4	14 471,1	9 381,0	5 338,3	.....	.....	.....	2 025,9	13 178,8	22 145,9	129 154,9
Kobes -													
Dunlevy A	379,2	562,3	504,4	357,9	350,6	145,6	354,2	276,8	161,3	106,7	422,3	384,3	4 005,6
Charlie Lake A	919,6	496,5	268,9	.....	.....	.....	.....	.....	.....	116,2	873,1	413,1	3 087,4
Charlie Lake B	365,0	796,0	614,4	306,5	570,9	232,9	489,5	722,7	780,3	1 312,8	567,0	268,3	7 026,3
Charlie Lake D	6,0	412,9	34,2	.....	.....	.....	50,4	134,0	151,7	59,1	114,4	79,0	1 041,7
Charlie Lake E	983,2	570,1	218,0	209,1	22,1	.....	.....	.....	36,7	.....	708,6	754,0	3 501,8
Halfway A	7 769,2	6 989,6	4 522,9	4 795,8	4 324,7	1 949,6	6 573,6	7 453,9	8 053,5	2 014,3	4 873,7	1 955,7	61 276,5
Debolt A	603,9	870,4	49,7	1 552,2	.....	.....	.....	6,8	85,1	116,4	26,4	2,2	3 313,1
Totals	11 026,1	10 697,8	6 212,5	7 221,5	5 268,3	2 328,1	7 467,7	8 594,2	9 268,6	3 725,5	7 585,5	3 856,6	83 252,4
Kobes West--Inga A	1 434,6	1 205,3	1 302,5	1 133,8	801,0	172,8	1 389,5	682,9	229,9	547,1	950,5	485,8	10 335,7
Kotcho Lake -													
Slave Point A	3 853,4	3 391,7	3 479,4	2 419,7	2 376,1	1 568,3	.....	.....	.....	.....	1 800,3	3 379,7	22 268,6
Slave Point C	1 675,8	1 207,7	1 003,5	996,9	140,9	.....	.....	.....	.....	.....	.....	1 345,2	6 370,0
Totals	5 529,2	4 599,4	4 482,9	3 416,6	2 517,0	1 568,3	.....	.....	.....	.....	1 800,3	4 724,9	28 638,6
Kotcho Lake East -													
Bluesky B	155,8	1 407,1	681,2	207,4	298,2	410,3	96,3	.....	.....	.....	.....	.....	3 254,3
Slave Point B	367,8	1 563,4	1 584,7	964,5	.....	.....	.....	.....	.....	.....	.....	977,0	5 457,4
Slave Point C	9 743,2	5 167,0	6 689,3	3 633,0	3 801,2	1 970,5	.....	.....	.....	2 315,6	7 582,4	5 326,7	46 228,9
Totals	10 264,8	8 137,5	8 955,2	4 804,9	4 099,4	2 380,8	96,3	.....	.....	2 315,6	7 582,4	6 303,7	54 940,6

[1] Associated gas

Table P8 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Laprise Creek -													
Gething A	.....	.....	.....	.....	.....	.....	.....	244,6	156,4	.....	167,5	223,3	791,8
Baldonnel A	49 683,7	25 751,0	1 086,5	26 138,3	9 876,1	4 784,4	22 771,9	17 296,4	21 589,1	50 290,5	38 925,5	43 328,3	311 521,7
Baldonnel B	14 940,0	6 958,6	10 419,5	11 305,6	5 463,0	714,5	2 728,6	10 132,6	14 897,7	15 181,5	11 578,3	9 814,9	11 414,8
Nancy A	342,4	269,6	.....	81,8	.....	.....	393,9	388,3	215,3	375,1	397,8	197,6	2 662,3
Totals	64 968,1	32 959,2	11 506,0	37 525,7	15 339,1	5 498,9	25 894,4	28 062,4	36 858,5	65 847,1	51 067,1	53 564,1	326 390,6
Laprise Creek West--Baldonnel A	144,7	381,8	.....	.....	.....	.....	.....	.....	.....	225,6	442,2	137,2	1 331,5
Louise--Slave Point A	3 182,4	2 293,7	1 755,1	1 925,5	544,1	192,3	.....	.....	.....	1 549,9	2 844,0	1 787,6	16 072,6
Nica -													
Nica A[1]	185,4	160,3	298,5	170,2	133,5	50,2	201,1	184,3	169,8	157,8	188,1	136,6	2 035,8
North Pine A[1]	14,6	6,7	37,2	7,5	41,0	29,5	41,7	32,2	45,9	30,1	37,4	37,1	360,9
Totals	200,0	167,0	335,7	177,7	174,5	79,7	242,8	216,5	215,7	187,9	225,5	173,7	2 396,7
Nike--Gething A[1]	216,2	257,6	280,8	92,9	.....	.....	.....	.....	.....	.....	.....	228,5	1 076,0
Milligan Creek -													
Gething A	57,3	.....	1,3	84,0	106,0	97,3	100,1	98,6	89,5	92,5	89,2	114,5	930,3
Gething B[1]	.....	.....	13,6	76,2	71,1	15,3	14,4	86,8	60,0	86,6	27,0	56,0	507,0
Halfway A[1]	1 936,3	1 722,0	1 568,0	1 362,6	1 818,4	1 613,8	1 486,9	1 719,4	1 629,9	1 721,8	1 637,3	1 894,0	20 110,4
Totals	1 993,6	1 722,0	1 582,9	1 522,8	1 995,5	1 726,4	1 601,4	1 904,8	1 779,4	1 900,9	1 753,5	2 064,5	21 547,7
Milligan Creek West -													
Halfway A	485,5	646,9	242,4	.....	.....	.....	.....	.....	.....	.....	.....	577,5	1 952,3
Halfway B	2 318,5	2 972,8	1 216,3	1 460,7	2 007,7	139,5	2 602,5	1 845,7	270,4	998,2	1 526,0	1 995,6	19 313,9
Totals	2 804,0	3 619,7	1 458,7	1 460,7	2 007,7	139,5	2 602,5	1 845,7	270,4	998,2	1 526,0	2 573,1	21 266,2

Monias -													
Halfway A	31 330,8	16 836,6	8 967,6	14 720,3	831,4	6 326,1	9 946,7	23 907,1	29 496,7	29 285,0	28 608,7	26 109,4	226 429,4
Halfway B	.....	.....	.....	.....	.....	.....	.....	831,2	1 744,0	1 821,5	1 411,5	284,8	6 072,8
Bailey A	.....	.....	.....	788,6	.....	.....	.....	.....	.....	.....	.....	.....	788,6
Taylor Flat A	.....	.....	217,8	.....	.....	.....	.....	.....	.....	.....	.....	.....	217,8
Totals	31 330,8	16 836,6	9 185,4	15 508,9	831,4	6 326,1	9 946,7	24 801,3	31 240,7	31 106,5	30 020,2	26 374,2	235 508,6
Nettie -													
Gething A[1]	816,0	639,0	570,3	310,5	.....	.....	.....	.....	.....	.....	.....	1 449,2	3 785,0
Siphon A	1 637,9	1 569,3	1 181,5	212,3	1 194,5	.....	.....	.....	.....	.....	631,8	1 325,5	7 752,8
Halfway A	.....	.....	.....	43,4	1 279,7	.....	.....	.....	.....	.....	1 619,8	.....	2 942,9
Totals	2 453,9	2 208,3	1 751,8	566,2	2 474,2	.....	.....	.....	.....	.....	2 251,6	2 774,7	14 480,7
Nig Creek—Baldonnel A	10 653,6	15 076,6	105,7	12 553,3	1 283,0	717,2	12 821,5	11 040,3	10 311,1	15 246,7	15 737,5	14 338,5	119 885,0
North Pine -													
North Pine B	507,6	581,2	103,3	.....	.....	569,3	.....	401,6	1 774,0	855,7	892,8	782,6	6 368,1
North Pine B[1]	416,9	460,4	509,5	442,1	416,5	448,6	415,5	476,0	466,6	456,7	452,3	451,5	5 412,6
Totals	924,5	1 041,6	612,8	442,1	416,5	817,9	415,5	877,6	2 240,6	1 312,4	1 345,1	1 234,1	11 680,7
Oak -													
Cecil B[1]	11,7	10,5	10,8	13,5	14,7	11,4	11,6	9,7	8,8	19,0	7,6	7,1	136,4
Halfway A	7 586,0	8 317,9	4 216,3	5 246,4	8 155,0	8 165,8	440,8	2 521,7	4 891,6	3 900,3	4 552,9	3 821,1	61 815,8
Halfway B[1]	44,4	.....	46,4	127,6	59,2	330,0	317,9	288,2	305,4	230,6	177,1	135,6	2 062,4
Totals	7 642,1	8 328,4	4 273,5	5 387,5	8 228,9	8 507,2	770,3	2 819,6	5 205,8	4 149,9	4 737,6	3 963,8	64 014,6
Osprey -													
Bluesky A	1 440,6	1 205,0	168,4	34,7	.....	77,4	1 249,9	1 286,6	1 221,1	565,4	1 225,5	986,0	9 460,6
Gething A	877,4	341,3	.....	.....	.....	.....	.....	.....	.....	.....	.....	68,1	1 286,8
Halfway A[1]	423,3	247,9	138,0	239,5	800,7	381,5	291,5	240,1	484,4	335,1	501,5	1 021,8	5 109,3
Totals	2 741,3	1 794,2	306,4	274,2	800,7	458,9	1 541,4	1 526,7	1 705,5	900,5	1 727,0	2 075,9	15 852,7
Paradise—Halfway A	40,0	104,8	190,6	110,8	22,0	107,8	39,4	.....	17,4	.....	.....	.....	592,8

[1] Associated gas

Table P8 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Parkland--Wabamun A	9 288.8	1 403.0	5 114.2	5 209.9	.....	.....	.....	9 258.6	12 771.1	12 717.9	3 783.4	5 663.5	65 210.4
Peejay -													
Gething A	818.2	716.4	593.1	812.9	850.8	598.0	718.3	755.7	840.4	747.3	751.2	767.8	8 970.1
Baldonnel A	958.5	866.5	618.2	926.7	881.8	700.5	852.2	819.1	961.0	854.2	877.3	845.9	10 161.9
Halfway[1]	941.7	902.3	650.2	906.3	1 006.8	715.2	840.4	742.0	880.5	863.6	961.6	929.0	10 339.6
Halfway A[1]	1 042.7	947.3	1 014.7	866.3	1 112.1	999.8	1 078.3	958.3	1 074.0	989.4	949.0	1 221.5	12 253.4
Halfway K	21.1	18.7	29.1	21.1	2.1	28.8	24.3	20.4	19.4	24.6	16.9	19.0	245.5
Halfway L[1]	160.8	135.5	90.3	152.1	101.9	123.8	182.3	181.2	161.4	148.9	151.4	126.0	1 715.6
Halfway M	295.2	246.7	210.1	197.7	5.6	460.3	258.3	336.5	283.0	274.4	248.6	271.5	3 087.9
Totals	1 169.1	965.4	647.9	688.0	.....	86.3	946.0	1 006.7	955.9	1 164.2	911.6	877.4	9 418.5
	5 407.3	4 996.8	3 853.6	4 571.1	3 961.1	3 712.7	4 900.1	4 799.9	5 175.6	5 066.6	4 867.6	5 058.1	56 172.5
Peejay West--Halfway A[1]	1 369.7	1 259.5	365.6	1 536.5	581.6	1 589.7	1 366.0	1 658.7	869.6	1 589.8	891.5	1 162.8	14 241.0
Petitot River--Slave Point A	2 990.0	1 881.7	2 246.0	2 202.6	952.6	.....	.....	.....	.....	.....	.....	.....	10 252.9
Pickell--Halfway A	1 671.9	1 623.1	944.2	.....	.....	.....	.....	.....	.....	.....	.....	52.7	4 291.9
Red Creek--Halfway A	1 102.8	945.1	24.6	587.2	.....	.....	.....	.....	.....	.....	.....	802.0	3 461.7
Rigel -													
Bluesky A	463.1	224.4	216.1	16.0	.....	.....	60.6	55.0	285.5	109.7	167.9	142.5	1 740.6
Gething A	.....	.....	.....	.....	.....	.....	151.1	391.3	.....	.....	.....	.....	542.4
Dunlevy A[1]	526.9	493.6	518.7	414.6	328.7	522.4	177.2	482.1	464.5	555.2	492.2	481.1	5 457.2
Dunlevy E[1]	112.6	109.2	146.1	95.0	97.8	57.6	54.7	68.9	335.0	212.4	199.1	.....	1 488.4
Dunlevy F	37 474.9	23 296.0	21 506.1	2 275.3	1 562.7	2 094.2	21 150.5	26 402.4	28 844.2	24 542.8	26 339.6	23 802.7	239 291.4
Totals	38 577.5	24 123.2	22 387.0	2 800.9	1 989.2	2 674.2	21 594.1	27 399.7	29 929.0	25 420.1	27 198.8	24 426.3	248 520.0
Rigel East--Gething A	3 019.1	2 589.4	1 123.4	1 268.5	.....	177.5	2 631.3	2 977.4	3 328.3	1 536.3	2 443.4	3 811.0	24 905.6
Roger--Pine Point A	24 619.1	16 190.0	20 096.0	9 435.2	11 688.6	2 696.9	.....	.....	.....	17 626.8	21 298.3	18 609.6	142 260.5

Sahtaneh -													
Pine Point A	10 678,4	2 822,3	.....	9 256,6	.....	.....	.....	.....	.....	.....	.....	8 819,4	31 556,7
Pine Point B	13 225,3	4 293,1	14 278,7	10 096,6	.....	.....	.....	.....	.....	113,8	10 210,8	13 534,3	65 752,6
Totals	23 903,7	7 115,4	14 278,7	19 353,2	.....	.....	.....	.....	.....	113,8	10 210,8	22 353,7	97 309,3
Septimus--North Pine A[1]	10,5	6,6	3,5	.....	.....	8,6	6,8	10,2	10,7	10,9	10,0	6,7	84,5
Sierre -													
Pine Point A	65 512,8	81 168,2	80 096,1	49 275,0	38 994,8	17 821,3	.....	.....	.....	34 633,6	95 474,6	88 511,8	551 488,3
Pine Point B	24 183,9	18 726,5	31 348,6	25 474,4	17 334,2	11 202,9	.....	.....	.....	20 857,2	27 918,4	32 431,4	207 477,5
Pine Point C	21 686,4	12 878,6	17 317,9	.....	.....	.....	.....	.....	.....	11 113,3	14 325,7	16 314,6	93 636,5
Pine Point D	9 551,7	7 394,4	9 671,0	13 150,4	20 878,9	10 754,1	.....	.....	.....	12 451,8	23 227,6	25 672,9	132 752,8
Totals	120 954,8	120 167,7	138 433,6	85 899,8	77 208,0	39 778,3	.....	.....	.....	79 055,9	160 946,3	162 930,7	985 355,1
Silver -													
Bluesky A	15 036,2	9 393,9	6 454,1	822,2	5 606,9	1 547,4	10 943,6	11 940,3	12 240,9	3 911,7	9 279,7	9 668,1	96 825,0
Bluesky B	908,6	118,5	85,3	.....	.....	.....	.....	.....	441,5	.....	515,1	200,9	2 269,9
Halfway B	.....	22,2	239,5	.....	27,8	.....	.....	.....	.....	.....	.....	.....	289,5
Totals	15 944,8	9 534,6	6 758,9	822,2	5 634,7	1 547,4	10 943,6	11 940,3	12 682,4	3 911,7	9 794,8	9 869,0	99 384,4
Silverberry--North Pine A	781,8	515,0	777,1	772,0	723,7	683,7	685,8	516,5	94,8	291,6	170,7	624,6	6 637,3
Siphon -													
Dunlevy A	6 225,0	3 098,3	339,1	.....	.....	2 728,1	4 241,2	4 375,4	6 080,1	6 019,4	5 559,1	3 456,7	42 120,4
Dunlevy C[1]	14,5	6,8	1,6	6,0	4,4	5,9	7,4	5,9	5,6	4,7	1,3	1,7	69,8
Baldonnel A	29,6	302,0	280,5	133,9	41,8	214,8	165,8	164,7	167,8	57,1	82,3	209,2	1 847,5
Siphon A	1 579,7	962,1	245,0	244,0	21,1	858,7	359,0	590,3	1 272,6	1 448,7	1 452,2	386,3	9 419,7
Halfway A	3 133,7	2 069,6	186,3	.....	.....	1 256,4	2 140,4	2 119,1	2 404,3	1 657,3	857,9	36,3	15 865,3
Halfway C	255,7	14,0	.....	.....	.....	.....	.....	.....	211,4	36,2	.....	.....	517,3
Totals	11 256,2	6 452,8	1 052,5	383,9	67,3	5 065,9	6 911,8	7 255,4	10 141,8	9 225,4	7 952,8	4 092,2	69 854,0

[1] Associated gas

Table P6 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Siphon East -													
Bluesky A	4 280,0	2 828,5	2 064,4	2 967,6	.....	.....	.....	3 080,9	978,3	2 523,0	2 309,9	4 431,7	25 264,3
Bluesky A[1]	3,9	12,4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,3
Baldonnel A	.....	.....	6,5	.....	.....	.....	.....	4,7	1,6	10,1	,9	6,8	30,6
Totals	4 283,9	2 840,9	2 070,9	2 967,6	.....	.....	.....	3 085,6	979,9	2 533,1	2 310,8	4 438,5	25 311,2
Squirrel -													
North Pine A[1]	27,0	20,9	24,0	24,0	20,3	20,3	20,7	21,6	23,2	27,7	19,3	33,5	282,5
North Pine B[1]	13,0	5,0	13,3	.....	.....	.....	.....	,3	10,8	10,1	8,4	5,0	65,9
Totals	40,0	25,9	37,3	24,0	20,3	20,3	20,7	21,9	34,0	37,8	27,7	38,5	348,4
Stoddart -													
Cecil A[1]	45,1	54,1	58,0	62,1	47,7	47,7	66,5	55,5	90,0	70,0	65,0	62,2	723,9
Cecil B[1]	.....	212,0	185,2	90,3	32,0	173,6	298,3	162,4	250,3	299,0	213,9	219,5	2 036,5
Cecil C[1]	.....	538,9	470,7	229,4	302,8	217,1	233,2	186,1	451,1	55,2	.....	.....	2 684,5
Bellay A	26 630,8	20 572,1	18 654,5	21 495,8	7 313,3	16 274,7	23 225,7	17 736,9	21 396,2	13 912,3	14 732,4	20 555,3	222 500,0
Bellay C[1]	78,6	75,9	79,5	61,9	.....	63,5	80,1	81,3	111,3	117,4	106,0	128,5	984,0
Totals	26 754,5	21 453,0	19 447,9	21 939,5	7 695,8	16 776,6	23 883,8	18 222,2	22 298,9	14 413,9	15 117,3	20 965,5	228 948,9
Stoddart South -													
Bellay A[1]	237,5	260,2	240,6	133,6	133,7	204,1	242,5	159,9	156,4	190,8	140,6	158,1	2 258,0
Bellay C[1]	63,6	319,4	363,1	58,5	.....	46,0	.....	.....	66,3	.....	.....	.....	916,9
Totals	301,1	579,6	603,7	192,1	133,7	250,1	242,5	159,9	222,7	190,8	140,6	158,1	3 174,9
Stoddart West -													
North Pine A[1]	318,6	257,4	291,4	186,0	.....	232,7	313,2	351,6	260,0	356,5	340,4	330,9	3 238,7
Doig B[1]	16,6	22,0	15,1	10,7	18,9	24,2	26,9	30,3	23,9	38,9	30,4	31,1	289,0
Bellay A	5 642,9	2 999,4	3 673,5	2 273,4	2 581,8	1 631,1	1 218,8	1 197,9	2 468,1	2 672,8	1 774,3	2 809,4	30 983,4
Bellay B	.....	.....	.....	.....	.....	490,2	239,2	44,0	155,6	3,2	.....	.....	930,2
Bellay C	.....	.....	.....	.....	.....	367,7	.....	.....	.....	.....	.....	.....	367,7
Bellay C[1]	826,2	548,0	612,3	542,1	584,0	673,1	713,8	740,4	714,6	942,9	967,3	911,1	8 777,8
Bellay D	41,8	114,0	79,3	66,1	64,3	80,9	.....	.....	.....	.....	13,5	65,7	525,6
Totals	6 848,1	3 940,8	4 671,6	3 078,3	3 249,0	3 499,9	2 511,9	2 364,2	3 620,2	4 014,3	3 125,9	4 148,2	45 872,4

Sukunka -													
Baldonnel A	39 284,0	50 784,2	18 368,6	30 494,8	30 543,6	24 752,4	.....	.....	.....	.....	17 748,8	24 587,6	216 564,0
Baldonnel B	.....	.....	682,8	3 811,8	.....	7 072,1	.....	.....	.....	.....	.....	1 222,5	12 789,2
Baldonnel C	.....	4 197,8	3 710,1	3 811,8	7 876,0	3 536,1	.....	.....	.....	.....	63,0	6 347,3	29 542,1
Totals	39 284,0	54 982,0	22 761,5	38 118,4	38 419,6	35 360,6	.....	.....	.....	.....	17 811,8	32 157,4	258 895,3
Sunrise—Cadotte A	222,9	127,5	206,8	198,4	82,2	.....	.....	.....	.....	.....	.....	.....	837,8
Town -													
Baldonnel A	744,7	582,8	541,6	197,0	343,3	115,1	211,8	103,9	230,0	314,6	395,8	585,0	4 369,6
Halfway A	1 454,8	1 395,9	1 403,0	584,9	778,5	275,9	1 347,1	502,9	416,1	692,3	441,6	1 385,1	10 678,1
Totals	2 199,5	1 978,7	1 944,6	781,9	1 121,8	391,0	1 558,9	606,8	646,1	1 006,9	837,4	1 970,1	15 043,7
Townsend -													
Halfway A	.....	.....	.....	.....	.....	.....	.....	.....	.....	189,3	.....	.....	189,3
Debolt A	312,3	196,9	214,4	59,3	.....	.....	.....	.....	.....	.....	.....	1 516,8	2 299,7
Totals	312,3	196,9	214,4	59,3	.....	.....	.....	.....	.....	189,3	.....	1 516,8	2 488,0
Tsea -													
Slave Point A	252,1	112,3	138,5	459,4	.....	.....	.....	.....	.....	.....	.....	186,8	1 149,1
Slave Point B	2 645,8	1 670,5	2 074,3	1 264,8	.....	420,2	.....	.....	.....	1 098,3	2 267,7	2 855,0	14 296,6
Totals	2 897,9	1 782,8	2 212,8	1 724,2	.....	420,2	.....	.....	.....	1 098,3	2 267,7	3 041,8	15 445,7
Two Rivers -													
Baldonnel A	.....	386,1	.....	.....	.....	.....	.....	.....	.....	359,2	185,5	396,9	1 327,7
Halfway A	1 812,6	1 845,3	1 359,3	1 804,6	1 626,5	1 457,2	.....	.....	591,7	1 220,0	800,0	1 633,4	14 190,6
Halfway B[1]	62,3	62,3	16,2	.....	.....	23,3	17,6	21,1	13,6	11,9	10,8	8,8	247,9
Totals	1 874,9	2 293,7	1 375,5	1 804,6	1 626,5	1 480,5	17,6	21,1	605,3	1 591,1	996,3	2 039,1	15 726,2
Velma -													
Gething A	7 424,1	5 437,5	5 102,0	739,1	4 099,9	4 610,8	6 420,8	6 441,6	5 358,7	4 439,4	2 248,9	2 104,0	54 426,8
"A" Marker A	2 407,2	1 170,5	1 569,3	8,4	.....	67,7	1 238,1	1 232,5	1 180,1	2 008,5	710,1	1 295,4	12 887,8
Totals	9 831,3	6 608,0	6 671,3	747,5	4 099,9	4 678,5	7 658,9	7 674,1	6 538,8	6 447,9	2 959,0	3 399,4	67 314,6

[1] Associated gas

Table P8 - Monthly Non-associated and Associated Gas Production by Fields and Pools - Continued

(Volumes in 10^3m^3 at 101.325 kPa and 15°C)

Vessel -													
Baldonnel A	30,5	33,7	32,7	31,6	21,4	19,5	20,0	22,5	11,2	23,6	27,0	28,9	311,6
Halfway[1]	451,8	389,8	403,5	315,1	392,4	377,4	450,9	383,3	471,4	497,3	421,3	439,5	4 991,5
Halfway B[1]	72,4	63,2	77,5	50,4	1,9	24,0	49,6	54,6	11,3	3,1	46,8	51,8	506,6
Halfway F[1]	3 172,9	2 374,6	735,9	161,4	2 027,5	2 284,6	1 782,9	1 716,3	1 726,9	1 631,0	1 653,7	1 148,5	20 436,2
Totals	3 730,6	2 861,3	1 249,6	556,5	2 445,2	2 705,5	2 303,4	2 176,7	2 220,8	2 155,0	2 148,8	1 668,5	26 245,9
Vessel West -													
Halfway A[1]	65,9	50,5	52,9	55,4	59,5	49,6	68,8	55,8	57,1	54,2	73,0	72,8	715,5
Halfway B[1]	6,6	4,8	9,1	7,4	4,3	6,2	5,9	4,0	6,3	4,2	6,9	6,4	72,1
Totals	72,5	55,3	62,0	62,8	63,8	55,8	74,7	59,8	63,4	58,4	79,9	79,2	787,6
Wilder--Halfway A	6 140,0	9 197,8	6 930,6	6 033,9	892,4	1 248,6	7 310,2	6 491,6	6 737,4	4 992,3	4 968,2	8 363,9	69 306,9
Wildmint -													
Bluesky A	184,9	199,8	199,5	186,2	174,8	175,2	127,1	136,1	108,1	168,5	154,9	185,3	2 000,4
Upper Halfway A[1]	466,0	1 053,3	1 102,7	1 347,4	931,2	716,9	973,0	1 000,5	826,2	742,1	709,9	427,9	10 297,1
Halfway A	55,4	19,7	.....	.....	.....	278,3	.....	.....	.....	.....	.....	.....	353,4
Halfway A[1]	303,9	288,4	295,4	258,4	335,4	320,9	245,1	261,4	159,6	238,2	206,0	222,3	3 135,0
Totals	1 010,2	1 561,2	1 597,6	1 792,0	1 441,4	1 491,3	1 345,2	1 398,0	1 093,9	1 148,8	1 070,8	835,5	15 785,9
Willow -													
Gething A[1]	153,4	184,7	156,9	95,2	135,4	146,0	118,9	154,2	151,3	164,8	153,8	130,6	1 745,2
Halfway A	1 131,8	737,4	642,8	595,0	685,2	98,1	1 223,6	644,4	143,2	1 140,4	373,7	1 183,4	8 599,0
Halfway B	1 851,9	1 908,3	819,6	814,3	1 202,0	.....	.....	.....	.....	.....	537,9	1 349,2	8 483,2
Totals	3 137,1	2 830,4	1 619,3	1 504,5	2 022,6	244,1	1 342,5	798,6	294,5	1 305,2	1 065,4	2 663,2	18 827,4
Wolf--Halfway A[1]	119,8	115,8	144,7	121,6	164,8	169,2	219,4	107,8	101,9	124,1	116,1	110,4	1 615,6
Wolverine--Dunlevy A	114,0	700,0	570,5	594,5	521,2	359,7	.....	.....	.....	.....	.....	.....	2 859,9
Woodrush--Halfway A	2 723,5	3 203,5	1 587,7	1 786,5	.....	262,9	3 222,4	3 566,3	3 149,1	930,9	2 453,1	2 586,8	25 474,7

Yoyo -														
Pine Point A	183 163,8	120 265,9	159 336,7	109 154,2	56 401,3	34 962,7	.....	.....	.....	76 442,7	125 241,2	142 413,7	1 007 382,2	
Pine Point B	8 337,4	6 084,3	6 850,0	3 038,4	.....	.....	.....	.....	.....	.....	.....	7 841,7	32 191,8	
Totals	191 501,2	126 350,2	166 186,7	112 192,6	56 401,3	34 982,7	.....	.....	.....	76 442,7	125 241,2	150 255,4	1 039 554,0	
Other Areas -														
Dunlevy	.....	.....	.....	.....	.....	20,3	.....	.....	.....	.....	.....	.....	20,3	
Baldonnel	.....	.....	1 692,2	4 270,4	.....	.....	.....	.....	.....	.....	.....	.....	5 962,6	
Septimus	.....	2,8	11,3	.....	.....	.....	.....	.....	.....	.....	4,3	11,4	29,8	
Golata	.....	13,6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,6	
Slave Point	9 247,2	6 116,3	8 735,8	6 803,3	2 403,6	.....	.....	.....	.....	.....	3 508,2	4 889,2	41 703,6	
Sulphur Point	430,5	1 167,4	1 069,1	123,9	.....	.....	.....	.....	.....	.....	379,8	1 709,2	4 875,9	
Confidential	.....	.....	1 070,4	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 070,4	
Confidential[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,0	9,0	
Totals	9 677,7	7 300,1	12 578,8	11 197,6	2 403,6	.....	.....	.....	.....	.....	3 892,3	6 614,8	53 685,2	
Totals -														
Non-associated gas	1 107 491,0	855 230,0	794 417,4	654 035,9	457 834,2	303 879,1	260 650,5	281 003,7	315 988,6	571 364,3	855 326,7	976 981,3	7 414 182,7	
Associated gas	43 830,1	42 577,0	41 274,3	36 665,9	39 234,4	39 652,5	39 774,7	42 444,3	42 391,4	42 781,1	41 794,9	44 369,6	496 788,4	
Totals	1 151 321,1	897 807,0	835 691,9	690 701,8	497 068,6	343 531,6	300 425,2	323 448,0	358 380,0	614 145,4	897 121,6	1 021 350,9	7 910 971,1	

[1] Associated gas

Table P9 - Monthly Supply and Disposition of Crude Oil/Pentanes Plus, 1982

(Volumes in m^3 at 15° C)

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Supply													
British Columbia production -													
Crude oil	176 634,8	162 808,9	180 914,8	152 609,0	167 292,1	161 680,9	174 643,1	176 212,8	179 667,0	181 880,3	174 217,6	164 751,1	2 038 257,5
Field condensate	2 358,1	2 131,5	1 428,8	1 673,5	1 143,7	1 664,1	1 398,2	2 071,1	2 403,0	1 395,0	1 285,6	2 198,9	20 770,0
Plant condensate	14 293,5	12 291,0	12 468,3	8 088,4	7 382,1	8 112,1	12 096,5	10 601,0	12 565,7	11 780,5	12 877,8	12 628,0	135 184,9
Totals British Columbia	193 286,4	177 231,4	194 811,9	162 370,9	175 817,9	171 457,1	188 137,8	188 884,9	194 635,7	195 055,8	188 381,0	179 578,0	2 194 212,4
Alberta imports -													
Pipeline	679 305,0	567 072,7	560 968,5	608 202,9	724 206,7	664 820,2	612 316,3	735 869,2	613 812,3	670 064,8	650 366,8	786 187,2	7 873 193,6
Rail	8 253,6	4 922,3	5 426,4	4 839,6	4 972,8	4 709,3	4 795,9	5 618,2	3 316,2	5 996,1	6 573,6	6 689,6	66 125,6
Totals Alberta	687 558,6	571 995,0	566 394,9	613 042,5	729 179,5	669 529,5	617 112,2	741 487,4	617 128,5	676 060,9	656 940,4	792 876,8	7 939 317,2
Total supply	880 845,0	749 226,4	761 207,8	775 413,4	904 997,4	840 986,6	805 250,0	930 372,3	811 764,2	871 116,7	845 321,4	972 454,8	10 133 530,6
Disposition													
Inventory changes -													
Field	2 726,4	- 580,0	- 1 381,1	1 275,7	- 141,6	- 111,6	- 3 241,5	2 770,3	- 873,2	- 575,0	1 161,2	- 1 626,9	- 697,5
Plant	- 2,9	8,8	2 067,8	- 1 210,6	169,3	- 1 006,4	951,9	680,8	- 487,2	- 1 859,5	1 471,5	2 749,4	3 532,9
Transporters	- 28 585,1	- 30 173,4	8 502,1	11 351,6	67 135,3	- 69 921,5	- 22 464,9	- 22 022,4	3 313,6	9 307,0	12 930,8	72 548,4	11 922,8
Totals	- 25 861,6	- 30 754,6	9 188,8	11 416,7	67 163,0	- 71 039,7	- 24 754,5	- 18 571,3	1 953,2	6 872,5	15 563,5	73 671,4	14 847,4
Losses and adjustments -													
Field	- 124,3	- 1 219,6	- 1 153,6	- 958,4	- 453,5	- 166,2	- 705,7	- 429,8	- 368,2	85,5	- 291,9	- 692,9	- 6 888,6
Plant	34,9	41,9	.....	.....	.....	.....	.....	- 4,0	2,1	28,5	- 279,1	7,6	- 168,1
Transporters	- 718,1	2 023,8	533,7	834,1	3 577,4	1 702,9	- 4 631,4	991,3	- 918,5	341,7	- 959,7	798,4	3 575,6
Totals	- 807,5	846,1	- 619,9	275,7	3 123,9	1 536,7	- 5 337,1	557,5	- 1 284,6	455,7	- 1 530,7	113,1	- 2 881,1
Transfers	6 032,3	- 1 368,8	2 163,0	6 644,8	6 595,4	8 612,1	10 578,0	6 104,0	4 886,5	8 311,0	5 819,6	1 532,8	65 870,7

Deliveries															
To British Columbia refineries -															
British Columbia production	212 476.8	171 912.5	223 622.7	183 493.9	173 456.1	199 019.3	199 170.2	206 756.6	182 830.2	221 101.2	202 430.6	209 196.4	2 385 466.5
Alberta production	598 304.6	516 892.4	447 278.7	497 718.0	578 500.3	603 912.5	534 700.1	627 915.2	525 235.7	556 838.2	500 129.4	589 524.9	6 576 950.0
Totals	810 781.4	688 804.9	670 901.4	681 211.9	751 956.4	802 931.8	733 870.3	834 671.8	708 065.9	777 939.4	702 560.0	798 721.3	8 962 416.5
To export -													
British Columbia production	1 555.8	6 820.8	6 851.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 228.3
Alberta production	89 123.0	84 003.6	68 285.6	77 192.9	75 930.4	99 590.0	91 073.6	108 183.7	98 038.6	77 714.4	122 982.6	116 951.0	1 109 048.4
Totals	90 678.8	90 824.4	75 137.3	77 192.9	75 930.4	99 590.0	91 073.6	108 183.7	98 038.6	77 714.4	122 982.6	116 951.0	1 124 277.7
Reporting adjustment	21.6	874.4	4 437.2	- 1 328.6	268.3	- 644.3	- 180.3	- 573.4	124.6	- 176.3	- 73.6	1 499.2	8 809.2
Total disposition	880 845.0	749 226.4	761 207.8	775 413.4	904 997.4	840 986.6	805 250.0	930 372.3	811 764.2	871 116.7	845 521.4	992 464.8	10 175 550.4
British Columbia Refineries													
Receipts -													
British Columbia crude	223 099.7	210 487.9	266 365.3	202 355.8	218 820.1	260 386.7	240 322.2	231 453.5	221 247.5	246 628.6	204 339.5	225 555.9	2 751 062.7
British Columbia condensate	2 904.0	772.0	2 163.0	6 644.9	6 555.3	8 612.1	10 578.0	8 001.9	5 052.4	9 265.0	6 772.6	2 417.4	69 736.6
Totals	226 003.7	211 259.9	268 528.3	209 000.7	225 375.4	268 998.8	250 900.2	239 455.4	226 299.9	255 893.6	211 112.1	227 973.3	2 820 801.3
Alberta crude	567 438.2	465 472.3	402 062.3	469 634.3	544 847.8	551 622.4	471 099.4	566 278.0	485 869.4	510 060.5	454 795.8	545 081.7	6 034 262.1
Alberta condensate	72 540.0	58 275.0	51 481.0	40 407.0	37 651.0	52 994.0	70 481.0	67 263.0	47 485.0	61 958.0	69 372.0	69 408.0	699 315.0
Totals	639 978.2	523 747.3	453 543.3	510 041.3	582 498.8	604 616.4	541 580.4	633 541.0	533 354.4	572 018.5	524 167.8	614 489.7	6 733 577.1
Total receipts	865 981.9	735 007.2	722 071.6	719 042.0	807 874.2	873 615.2	792 480.6	872 996.4	759 654.3	827 912.1	735 279.9	842 463.0	9 554 378.4
Disposition													
Inventory changes	- 8 435.4	557.3	16 442.4	- 33 100.9	11 573.2	28 286.7	- 50 072.1	3 103.2	- 3 773.4	12 585.4	- 33 127.3	66 151.9	10 193.0
Losses and adjustments	43 882.0	37 130.0	52 868.0	30 113.0	42 867.0	56 123.9	46 537.5	30 162.1	43 166.8	35 263.9	18 853.9	17 118.0	454 086.1
Refinery run -													
British Columbia production	230 986.0	181 248.4	190 111.5	182 143.2	205 606.1	178 397.6	256 491.9	211 235.6	187 816.6	219 022.3	209 351.6	179 522.1	2 431 932.9
Alberta production	599 549.3	516 071.5	462 629.7	559 886.7	547 827.9	610 805.0	539 523.3	628 495.5	532 444.3	561 040.5	540 221.7	579 671.0	6 638 166.4
Totals	830 535.3	697 319.9	652 741.2	722 029.9	753 434.0	789 202.6	796 015.2	839 731.1	720 260.9	780 062.8	749 573.3	759 193.1	9 070 099.3
Total disposition	865 981.9	735 007.2	722 071.6	719 042.0	807 874.2	873 615.2	792 480.6	872 996.4	759 654.3	827 912.1	735 279.9	842 463.0	9 554 378.4

Table P10 - Supply and Disposition of Natural Gas in North Eastern B.C., 1982

(Volumes in 10^3m^3 at 101.325 kPa 15° C)

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Supply													
British Columbia production -													
Non-associated gas	1 107 098,8	853 083,5	793 150,8	655 724,3	434 678,9	294 795,1	258 599,0	278 841,7	314 911,5	570 991,4	853 584,9	978 657,0	7 486 614,2
Associated gas	44 313,5	42 702,8	39 578,8	30 645,4	42 253,3	47 453,9	39 670,6	41 755,3	42 970,7	42 737,5	38 702,6	42 495,9	505 765,1
Less injected	- 3 004,6	- 3 102,4	- 1 379,9	- 2 374,6	- 2 718,6	- 3 095,2	- 2 723,9	- 2 990,6	- 3 217,7	- 2 752,4	- 2 964,5	- 3 220,5	- 32 917,4
Net British Columbia production	1 148 407,7	892 683,9	831 349,7	683 995,1	474 213,6	339 153,8	295 545,7	317 606,4	354 664,5	610 976,5	889 325,0	1 018 110,4	7 978 681,9
Imports to northeastern British Columbia -													
Alberta	118 337,7	88 317,3	69 427,6	55 828,2	43 554,4	33 464,0	15 902,2	15 624,9	26 476,7	34 860,0	65 742,6	75 950,1	643 885,7
Northwest Territories	31 350,8	33 010,3	32 525,6	18 035,4	27 463,5	10 723,4	.....	.....	.....	7 085,9	15 951,2	17 159,6	195 305,7
Yukon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total imports	149 688,5	121 327,6	101 953,2	73 863,6	71 017,9	44 187,4	15 902,2	15 624,9	26 476,7	41 945,9	81 693,8	93 109,7	839 191,4
Total supply	1 298 096,2	1 014 011,5	933 302,9	757 858,7	545 231,5	383 341,2	311 447,9	333 231,3	381 141,2	652 922,4	970 996,8	1 110 820,1	8 715 255,3
Disposition													
Flared -													
Field	9 735,2	9 493,0	9 955,4	6 724,3	6 218,1	7 450,6	6 490,6	5 180,2	6 907,6	6 959,6	7 742,8	7 580,2	90 417,6
Gathering systems	269,2	353,0	321,4	156,6	415,9	154,8	.....	- 185,7	.....	53,0	51,9	183,5	1 773,6
Plant	802,6	984,4	932,4	823,7	699,3	1 750,3	255,2	27,0	86,1	7 601,8	3 225,0	2 418,1	19 605,9
Total	10 807,0	10 830,4	11 189,2	7 704,6	7 333,3	9 355,7	6 745,8	5 021,5	6 993,7	14 614,4	11 019,7	10 181,8	111 797,1
Fuel -													
Field	10 828,4	12 124,0	11 200,9	9 996,5	9 843,5	8 727,7	5 092,6	5 197,9	5 487,2	6 787,1	8 610,1	11 486,7	105 382,6
Compressor	1 098,7	765,3	629,8	444,1	345,3	252,5	290,8	346,7	487,7	469,0	805,4	1 121,8	7 057,1
Plant	44 592,9	39 821,1	40 809,1	35 354,2	26 931,0	22 720,7	11 462,3	11 763,6	12 361,6	32 819,8	43 560,8	46 588,4	368 795,5
Total	56 520,0	52 710,4	52 639,8	45 794,8	37 119,8	31 700,9	16 845,7	17 308,2	18 336,5	40 075,9	52 976,3	59 206,9	481 235,2
Losses and adjustments -													
Field	34 446,6	23 865,5	3 237,2	4 432,1	373,4	3 164,6	7 609,8	3 569,9	8 475,5	8 363,0	12 109,2	12 788,4	122 445,2
Gathering systems	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plant	12 775,3	3 501,2	1 168,8	- 426,6	6 195,3	- 1 052,3	8 897,8	1 396,3	1 094,7	4 084,9	3 573,8	6 113,9	47 323,1
Total	47 221,9	27 366,7	4 406,0	4 005,5	6 568,7	2 112,3	16 507,6	4 966,2	9 570,2	12 447,9	15 683,0	18 902,3	169 768,3
Line pack	- 291,5	- 738,4	889,1	- 1 041,3	- 231,2	- 1 056,2	.....	185,7	.....	1 487,1	382,7	213,5	- 200,5
Processing shrinkage	113 223,6	94 597,4	100 175,5	79 920,9	54 821,6	36 757,7	15 596,4	15 874,1	16 913,2	52 663,2	95 239,6	116 323,4	790 106,6
Reporting adjustment	- 13 524,3	- 11 192,8	256,3	- 1 556,2	- 2 685,6	- 1 113,6	- 11 231,7	- 3 893,5	- 368,7	- 2 131,5	- 1 618,3	193,5	- 26 654,8
Available marketable gas in northeastern British Columbia	1 084 139,5	840 437,8	763 747,0	623 030,4	442 304,9	305 584,4	266 984,1	293 769,1	329 696,3	533 765,4	799 313,8	905 788,7	7 188 561,4
Total disposition	1 298 096,2	1 014 011,5	933 302,9	757 858,7	545 231,5	383 341,2	311 447,9	333 231,3	381 141,2	652 922,4	970 996,8	1 110 820,1	8 715 255,3

Supply and Disposition of Gas by Transporters in British Columbia

Supply	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Available marketable gas in northeastern British Columbia	1 084 139.5	840 437.8	763 747.0	623 030.4	442 304.9	305 584.4	266 984.1	293 769.1	329 696.3	533 765.4	799 313.8	905 788.7	7 188 561.4
Imports to southeastern British Columbia													
Alberta	879 684.1	792 145.7	830 264.9	853 729.2	900 615.4	848 192.1	886 879.6	873 610.4	684 108.2	773 129.6	803 156.4	834 032.2	9 959 547.8
Total supply	1 963 823.6	1 632 583.5	1 594 011.9	1 476 759.6	1 342 920.3	1 153 776.5	1 153 863.7	1 167 379.5	1 013 804.5	1 306 895.0	1 602 470.2	1 739 820.9	17 148 109.2
Disposition													
Fuel	36 281.8	23 898.0	21 312.5	14 911.6	9 336.0	8 577.5	8 317.1	7 824.2	9 937.8	6 984.2	21 271.5	23 042.8	191 695.0
Losses and adjustments	5 962.1	3 346.6	4 585.9	10 210.8	15 884.5	10 886.7	6 792.3	157.4	- 5 821.9	11 182.6	38 007.3	1 659.3	102 853.6
Line pack changes	118.4	- 2 299.1	- 4 509.9	- 858.7	3 194.1	- 9 340.1	- 4 227.2	3 385.5	- 2 211.2	4 916.4	8 169.7	5 936.9	2 274.8
Deliveries to British Columbia distributors -													
North	22 273.4	16 646.4	14 605.5	10 104.8	6 447.4	3 821.1	3 049.4	4 424.3	4 960.2	9 001.5	15 260.6	16 277.8	126 872.4
Interior	223 264.8	201 677.5	207 710.4	165 626.0	153 599.7	122 398.7	97 212.1	110 214.3	131 560.4	181 539.2	239 177.3	249 718.8	2 083 699.2
Lower Mainland	336 363.1	290 711.1	281 001.0	227 053.2	150 342.2	106 683.7	101 593.3	104 430.6	112 672.6	185 142.6	284 674.7	303 825.7	2 484 493.8
Total	581 901.3	509 035.0	503 316.9	402 784.0	310 389.3	232 903.5	201 854.8	219 069.2	249 193.2	375 683.3	539 112.6	569 822.3	4 695 065.4
Deliveries to export -													
From northeastern British Columbia	508 469.6	349 287.5	277 674.9	232 117.0	141 882.3	91 705.3	77 622.7	79 965.4	88 822.1	161 576.1	260 893.7	342 339.3	2 608 351.9
From southeastern British Columbia	832 125.7	751 949.1	793 209.2	817 039.4	860 283.2	818 516.5	863 103.8	857 010.3	673 908.6	759 656.9	738 023.5	798 505.7	9 563 331.9
Total	1 340 595.3	1 097 236.6	1 070 884.1	1 049 156.4	1 002 165.5	910 221.8	940 726.5	936 975.7	762 730.7	921 233.0	998 917.2	1 140 841.0	12 171 683.8
Reporting adjustment	- 1 035.3	1 366.4	- 1 577.6	555.5	1 950.9	527.1	400.2	- 32.5	- 24.1	- 13 104.5	- 3 008.1	- 1 481.4	- 15 463.4
Total disposition	1 963 823.6	1 632 583.5	1 594 011.9	1 476 759.6	1 342 920.3	1 153 776.5	1 153 863.7	1 167 379.5	1 013 804.5	1 306 895.0	1 602 470.2	1 739 820.9	17 148 109.2

Supply and Disposition of Gas by Distributors in British Columbia

Supply													
Natural and L.P. gas -													
From transporters	607 621.1	517 912.9	511 414.0	411 292.0	312 489.5	218 591.8	201 692.6	222 123.7	252 289.3	380 687.6	547 919.6	580 285.8	4 780 620.2
From storage	13 329.3	.....	1 987.4	233.6	.....	91.0	11.1	.....	458.5	.....	189.4	.....	.....
Other receipts	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total supply	620 950.4	517 912.9	513 401.4	411 525.6	312 489.5	218 682.8	201 703.7	222 123.7	252 747.8	380 687.6	548 109.0	580 285.8	4 780 620.2
Disposition													
Fuel	1 724.6	1 699.2	1 766.2	1 411.4	1 392.1	1 113.4	502.1	830.4	1 186.5	2 100.6	3 485.2	3 326.9	20 540.6
Losses and adjustments	52 284.6	- 37 574.4	- 4 687.8	- 36 875.2	- 46 036.4	- 44 000.6	- 2 242.8	15 980.2	19 709.9	76 643.7	140 363.3	72 369.7	205 934.2
Line pack changes	642.8	35.5	28.1	181.3	422.5	- 533.2	- 40.0	- 380.4	- 280.7	419.3	480.5	715.1	1 690.8
To storage	.....	541.4	.....	.....	1 143.3	2 601.0	3 401.3	3 364.5	2 918.9	2 607.5	.....	44.8	16 622.7
Sales -													
Residential	201 865.4	209 680.5	174 969.4	154 703.2	108 688.1	69 507.5	43 346.2	39 729.9	39 630.8	57 998.8	99 022.8	158 856.6	1 357 999.2
Commercial	187 651.1	178 005.0	156 020.7	138 681.4	97 857.4	63 620.1	45 987.4	42 803.8	46 183.9	66 880.5	106 934.8	149 894.1	1 280 520.2
Industrial	174 374.0	163 338.4	183 163.7	151 880.8	147 629.4	125 201.0	109 856.5	118 829.5	139 898.2	168 923.3	195 891.4	192 973.3	1 871 959.5
Electric power	2 407.9	2 187.3	2 141.1	1 542.7	1 393.1	1 173.6	893.0	965.8	3 498.3	5 113.9	1 931.0	2 105.3	25 353.0
Total	566 298.4	553 211.2	516 294.9	446 808.1	355 568.0	259 502.2	200 083.1	202 329.0	229 211.2	298 916.5	403 780.0	503 829.3	4 535 831.9
Total disposition	620 950.4	517 912.9	513 401.4	411 525.6	312 489.5	216 682.8	201 703.7	222 123.7	252 747.8	380 687.6	548 109.0	580 285.8	4 780 620.2
Revenue (in dollars)	70 311 740.	72 420 325.	68 225 790.	60 813 400.	49 598 729.	36 453 819.	30 636 007.	29 921 540.	31 959 092.	40 519 157.	58 058 679.	74 143 398.	623 061 676.

Table P11 - Monthly Supply and Disposition of Propane, 1982

(Volumes in m^3 at 15° C)

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Supply													
British Columbia production													
Plant	6 735.0	5 852.4	6 138.8	5 203.2	4 463.9	3 086.0	5 515.5	6 182.1	5 057.0	7 071.7	6 107.2	7 370.5	68 783.3
Refinery	9 255.1	8 743.0	7 128.2	11 411.7	9 447.3	12 072.7	13 058.4	13 969.0	9 760.9	9 212.2	12 931.0	13 779.1	135 174.6
Total	15 990.1	14 595.4	13 267.0	16 614.9	13 911.2	15 158.7	18 573.9	20 151.1	14 817.9	16 283.9	19 038.2	21 149.6	203 957.9
Alberta imports	42 309.6	52 898.0	52 752.1	59 474.4	60 428.6	41 040.8	45 576.4	55 055.1	48 043.2	60 776.8	64 148.3	70 397.6	655 959.6
Total supply	58 299.7	67 493.4	66 019.1	76 089.3	74 339.8	56 199.5	64 150.3	75 206.2	62 861.1	77 060.7	83 186.5	91 547.2	859 917.5
Disposition													
Inventory change	- 99.1	27.0	640.4	- 1 386.1	417.9	392.8	- 673.8	244.1	- 586.1	1 240.8	- 1 126.7	912.8	- 45.1
Transfers	- 1 013.5	- 1 085.1	- 1 472.4	- 1 715.3	- 3 086.9	- 1 072.8	- 1 179.8	- 1 208.6	- 1 333.4	- 1 282.2	- 1 597.1	- 1 515.0	- 17 562.1
Losses and adjustments	63.4	34.5	50.3	734.5	21.2	66.1	389.0	124.0	- 108.9	31.5	62.4	60.3	2 144.3
Sales of British Columbia production	17 039.3	15 619.0	14 048.7	18 981.8	16 559.0	15 772.6	20 038.5	20 991.6	16 846.3	16 293.8	21 699.6	21 691.5	219 420.8
Sales of Alberta production -													
British Columbia	27 218.4	25 249.0	18 187.3	16 764.4	19 744.2	13 977.9	7 449.5	9 751.5	12 228.1	18 208.6	24 671.7	40 417.9	240 171.0
Offshore	15 091.2	27 649.0	34 564.8	42 710.0	40 684.4	27 062.9	38 126.9	45 303.6	35 815.1	42 568.2	39 476.6	29 979.7	415 788.6
Total	42 309.6	52 898.0	52 752.1	59 474.4	60 428.6	41 040.8	45 576.4	55 055.1	48 043.2	60 776.8	64 148.3	70 397.6	655 959.6
Total sales	59 348.9	68 517.0	66 800.8	78 456.2	76 987.6	56 813.4	65 614.9	76 046.7	64 889.5	77 070.6	84 847.9	92 089.1	875 380.4
Total disposition	58 299.7	67 493.4	66 019.1	76 089.3	74 339.8	56 199.5	64 150.3	75 206.2	62 861.1	77 060.7	83 186.5	91 547.2	859 917.5

Table P12 - Monthly Supply and Disposition of Butanes, 1982

(Volumes in m^3 at 15° C)

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Supply													
British Columbia production													
Plant	8 174.5	6 534.4	7 075.1	7 634.3	6 268.9	5 513.3	7 477.1	7 384.7	7 567.5	8 185.1	8 622.8	9 004.9	89 442.6
Refinery	3 503.5	4 434.3	755.8	7 820.7	10 870.7	11 580.6	13 968.8	12 519.7	7 943.2	4 359.0	2 407.7	2 241.0	85 342.0
Totals British Columbia	11 678.0	10 968.7	7 830.9	15 455.0	17 139.6	17 093.9	21 445.9	19 904.4	15 510.7	12 544.1	11 030.5	11 245.9	174 784.6
Alberta imports	1 597.4	868.0	984.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 450.2
Total supply	13 275.4	11 836.7	8 815.7	15 455.0	17 139.6	17 093.9	21 445.9	19 904.4	15 510.7	12 544.1	11 030.5	11 245.9	178 234.8
Disposition													
Inventory change	- 852.1	2 296.2	131.1	- 1 055.5	1 641.0	- 1 172.2	1 057.2	- 878.2	- 1 651.2	1 723.6	- 1 798.2	- 151.4	- 720.7
Gasoline blending	835.3	2 762.1	3 266.1	2 072.8	959.9	1 082.8	1 783.6	1 953.2	3 281.3	5 024.5	5 186.9	3 884.0	32 092.5
Losses and adjustments	- .1	- 1.6	6.0	440.2	1.0	22.8	257.1	78.4	- .3	- 2.1	.....	.....	1 212.4
Sales of British Columbia production	11 614.9	5 912.0	4 427.7	13 995.5	14 537.7	17 160.5	18 348.0	18 751.0	13 880.9	5 798.1	7 641.8	7 513.3	142 200.4
Sales of Alberta production -													
British Columbia	1 597.4	868.0	984.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 450.2
Total sales	13 272.3	6 780.0	5 412.5	13 995.5	14 537.7	17 160.5	18 348.0	18 751.0	13 880.9	5 798.1	7 641.8	7 513.3	145 650.6
Total disposition	13 275.4	11 836.7	8 815.7	15 455.0	17 139.6	17 093.9	21 445.9	19 904.4	15 510.7	12 544.1	11 030.5	11 245.9	178 234.8

Table P13 - Monthly Supply and Disposition of Sulphur, 1982

(Volumes in Metric Tonnes)

	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Supply													
British Columbia production	27 963,0	23 087,1	21 566,5	20 791,2	14 239,7	12 386,4	6 592,0	6 126,4	6 881,8	7 866,4	17 642,6	31 982,9	197 136,0
Disposition													
Inventory change	1 071,6	- 7 534,8	- 2 838,3	- 14 221,0	- 12 897,9	- 18 349,3	- 15 612,4	- 5 815,9	- 3 389,7	1,8	- 1 287,9	753,5	- 80 120,3
Sales -													
North America	3 794,2	4 813,2	3 676,5	5 660,0	21 631,4	5 503,7	1 088,1	.....	.....	.....	3 034,3	12 204,2	61 405,6
Offshore	23 097,2	25 808,7	20 728,3	29 352,2	5 506,2	25 232,0	21 116,3	11 942,3	10 271,5	7 864,6	15 896,2	19 035,2	215 850,7
Totals	26 891,4	30 621,9	24 404,8	35 012,2	27 137,6	30 735,7	22 204,4	11 942,3	10 271,5	7 864,6	18 930,5	31 239,4	277 256,3
Total disposition	27 963,0	23 087,1	21 566,5	20 791,2	14 239,7	12 386,4	6 592,0	6 126,4	6 881,8	7 866,4	17 642,6	31 982,9	197 136,0

Table P14 - Crude-oil Pipelines, 1982

Company	Field Served	Main and Lateral Lines		Pumping Stations No.	Present Capacity m^3/day	Gathering Capacity	Lines km	Throughput m^3/day	Storage Capacity m^3/day
		Size, mm	Length, km						
Suncor Inc.	Aitken Creek, Blueberry	323,9	3,8	—	—	--	—	—	—
		219,1	1002,0	1	795	1 908	52,4	265	10 334
	Fort St. John	—	—	—	—	—	—	29	159
	Inga	168,3	2,7	1	1 987	1 987	—	653	—
	Stoddart	—	—	—	—	—	—	12	—
CDC Oil and Gas Limited	Inga	168,3	5,1	2	1 240	--	—	200	—
		114,3	14,0	1	1 590	1 590	22,2	300	—
		88,9	3,2	1	254	--	--	—	--
Norcen Energy Resources Limited	Beatton River, Beatton River West,	—	—	28	22 409	10 256[1]	52,0	4 800	22 280
	Boundary Lake, Bulrush, Currant,	323,9	62,9	—	—	7 154[2]	—	—	—
	Eagle, Milligan Creek, Peejay,	219,1	169,3	--	--	--	--	--	--
	Weasel, Wildmint, Willow, Wolf.	168,3	72,4	—	—	—	—	—	—
		114,3	142,0	—	—	--	—	—	--
Westcoast Petroleum Ltd.		323,9	815,8	12	11 129	11 129	—	4 243	95 167

[1] Boundary Lake

[2] Terminal to Westcoast Petroleum Ltd.

Table P15 - Crude-oil Refineries, 1982

Name	Location	Type	Year of First Operation	Source of Crude	Crude oil Capacity m^3/calender day	Storage Capacity m^3	Cracking Plant Units	Cracking Capacity m^3/calender day	Other Units
Chevron Canada Ltd.....	North Burnaby.....	Complete	1936	B.C. and Alberta	5 960	309 590	Catalytic fluid	1 590	Catalytic polymerization, catalytic reformer, lube-oil blending plant asphalt, sulphur recovery.
Gulf Canada Products Company.....	Kamloops.....	Complete	1954	B.C. and Alberta	1 510	108 380	Catalytic fluid	440	Catalytic polymerization, catalytic reformer, distillate, desulphurization, merox, asphalt, naptha.
Gulf Canada Products Company.....	Port Moody	Complete	1958	B.C. and Alberta	5 910	284 930	Catalytic fluid	1 810	Catalytic reformer, distillate, desulphurization, alkylation sulphuric acid, napthadesulphurization, merox, sulphur.
Husky Oil Operations Ltd.....	Prince George.....	Complete	1967	B.C.	1 590	175 815	Catalytic fluid	475	Unifiner, reformer, asphalt, sulphur, gas concentration.
Imperial Oil Limited.....	Ioco.....	Complete	1915	B.C. and Alberta	6 465	485 705	Catalytic fluid	2 000	Catalytic polymerization, power-former tuluene extraction, sulphur, LPG plant, desulphurization.
Petro-Canada.....	Taylor.....	Complete	1960	B.C.	2 860	202 000	Catalytic fluid	980	H. F. alkylation, asphalt, pentane splitter, platformer unifiner, HDS unit, DDS unit.
Shell Canada Limited.....	North Burnaby.....	Complete	1932	B.C. and Alberta	5 820	348 000	Catalytic fluid	976	Catalytic polymerization, platformer, vacuum flashing, solvent fractionation, distillate hydrotreater, sulphur recovery, asphalt.

Table P16 - Natural Gas Pipelines, 1982

Company	Source of Natural Gas	Transmission Lines		Compressor Stations		Present Daily Capacity	Gathering and Distributions Lines		Areas Served by Distributors
		Size mm	km	No.	Power Watts 10^6	$10^3 m^3$	Size mm	km	
British Columbia Hydro and Power Authority	Westcoast Transmission Co. Ltd.	1 016.8	29.9	—	—	27 840.0	—	7 560.5	Lower Mainland of British Columbia.
		914.4	12.8	—	—	—	—	—	
		762.0	56.3	—	—	—	—	—	
		610.0	30.0	—	—	—	—	—	
		508.0	28.9	—	—	—	—	—	
		457.0	29.6	—	—	—	—	—	
		323.9	42.1	—	—	—	—	—	
		168.3	1.9	—	—	—	—	—	
Columbia Natural Gas Ltd.	Alberta and Southern Gas Company Limited	219.1	89.2	—	—	3 711.0	219.1	3.0	Cranbrook, Fernie, Kimberely, Creston, Sparwood, Elk Valley, Shoolumchuck, Elko, Elkford, Yahk, Galloway, and Jaffray.
		168.3	113.8	—	—	—	168.3	7.5	
		114.3	35.1	—	—	—	114.3	18.7	
		88.9	45.2	—	—	—	88.9	42.9	
		60.3	11.3	—	—	—	60.3	91.9	
		—	—	—	—	—	42.2	16.2	
		—	—	—	—	—	26.3	0.2	
		—	—	—	—	—	—	—	
ICG Utilities Ltd.	Westcoast Transmission Co. Ltd.	168.3	0.5	—	—	338.0	114.3	37.7	
		114.3	33.6	—	—	—	88.9	12.7	
		88.9	7.4	—	—	—	73.0	5.8	
		60.3	3.2	—	—	—	60.3	119.7	
		—	—	—	—	—	48.3	16.0	
		—	—	—	—	—	42.2	1.1	
		—	—	—	—	—	33.4	25.2	
		—	—	—	—	—	26.7	20.2	

Inland Natural Gas Co.	Westcoast Transmission Co. Ltd.	323.9	575.3	3	4.92	6 695.0	219.1	20.6	Peace River, Prince George, Cariboo, Thompson, Okanagan, and Kootenay areas.
		273.0	191.7	--	--	--	168.3	76.9	
		219.1	53.8	--	--	--	114.3	483.6	
	Alberta and Southern Gas Co. Limited	168.3	198.1	--	--	--	88.9	141.6	
		114.3	272.6	--	--	--	60.3	1 307.6	
		88.9	113.0	--	--	--	48.3	33.3	
		60.3	139.4	--	--	--	42.2	864.2	
		48.3	0.2	--	--	--	--	--	
		42.2	2.3	--	--	--	--	--	
Northland Utilities (BC) Ltd.	Peace River Transmission Co.	88.9	3.2	--	--	282.0	273.1	0.6	Dawson Creek, Pouce Coupe, and Rolla
		60.3	0.6	--	--	--	219.1	2.6	
		42.2	5.1	--	--	--	168.8	4.8	
		--	--	--	--	--	114.3	21.2	
		--	--	--	--	--	88.9	14.8	
		--	--	--	--	--	60.3	45.4	
		--	--	--	--	--	48.3	3.1	
		--	--	--	--	--	42.2	35.8	
		--	--	--	--	--	26.7	7.9	
Pacific Northern Gas Ltd.	Westcoast Transmission Co. Ltd.	323.9	42.8	4	13.73	2 625.0	266.7	7.1	
		266.7	482.5	--	--	--	168.3	6.0	
		219.1	154.9	--	--	--	114.3	23.1	
		168.3	57.7	--	--	--	88.9	38.9	
		114.3	19.8	--	--	--	60.3	131.1	
		88.9	70.2	--	--	--	42.2	120.1	
		73.0	28.6	--	--	--	26.7	82.1	
		60.3	82.8	--	--	--	21.3	0.6	
		42.2	8.8	--	--	--	--	--	

Table P16 - Natural Gas Pipelines, 1982 - Continued

Company	Source of Natural Gas	Transmission Lines		Compressor Stations		Present Daily Capacity $10^3 m^3$	Gathering and Distributions Lines		Areas Served by Distributors
		Size mm	km	No.	Power Watts 10^6		Size mm	km	
Westcoast Transmission Co. Ltd.....	Alberta.....	660.0	52.3	—	—	6 057.0	—	—	
	Taylor-Willow Flats.....	914.0	37.3	—	—	—	—	—	
		660.0	122.8	—	—	—	—	—	
	Willow Flats-Huntington.....	660.0	917.8	13	208.53	38 317.0	—	—	
		914.0	789.2	—	—	—	—	—	
	Aitken Creek.....	—	—	—	—	—	323.9	31.4	
	Alaska Highway system.....	—	—	—	—	—	660.0	60.4	
		—	—	—	—	—	508.0	29.1	
		—	—	—	—	—	457.0	28.8	
		—	—	—	—	—	323.9	15.9	
	Beaver River system.....	610.0	178.5	1	29.08	7 607.0	—	—	
	Bog field.....	—	—	—	—	—	406.4	44.1	
		—	—	—	—	—	168.3	9.5	
	Blueberry West field.....	—	—	—	—	—	219.1	10.8	
	Boundary Lake field.....	—	—	1	2.98	—	406.4	51.3	
		—	—	—	—	—	168.3	4.7	
	Bubbles field.....	—	—	1	0.49	—	—	—	
	Buick Creek field.....	—	—	—	—	—	660.0	2.9	
		—	—	—	—	—	273.1	11.7	
	Buick Creek East field.....	—	—	—	—	—	219.1	10.6	
	Buick Creek West field.....	—	—	1	1.48	—	508.0	26.1	
	Bullmoose field.....	—	—	—	—	—	219.1	13.0	
	Cache Creek field.....	—	—	—	—	—	168.3	13.8	
	Charlie Lake field.....	—	—	—	—	—	168.3	3.7	
	Clarke Lake field.....	—	—	—	—	—	406.4	44.7	
	Clarke Lake South field.....	—	—	—	—	—	219.1	18.4	
	Dawson Creek field.....	—	—	—	—	—	219.1	8.7	
	Firewood field.....	—	—	—	—	—	273.1	24.6	
		—	—	—	—	—	168.3	6.8	
		—	—	—	—	—	101.6	8.0	
	Fistrock field.....	—	—	—	—	—	101.6	8.0	
	Fort St. John field.....	—	—	3	1.48	—	457.0	12.6	
		—	—	—	—	—	273.1	1.4	
		—	—	—	—	—	219.1	1.1	

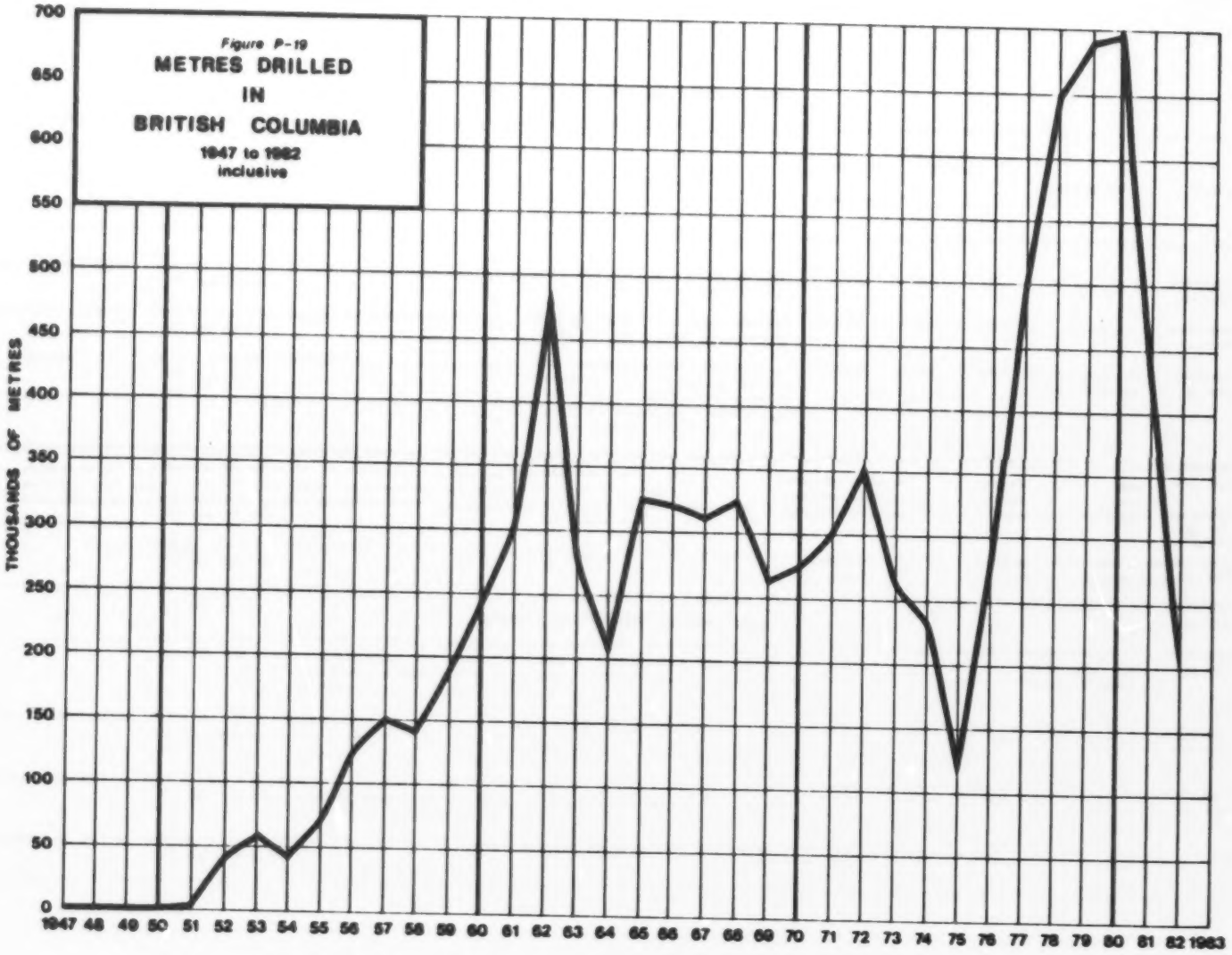
Fort St. John Southeast field.....	323.9	11.3	--	--	--	323.9	6.4
Fort Nelson plant.....	660.0	355.3	4	69.65	24 173.0	--	--
Fort Nelson-Willow Flats.....	914.0	74.8	--	--	--	--	--
Gundy Creek field.....	--	--	--	--	--	273.1	9.8
Grizzly field.....	--	--	--	--	--	610.0	56.5
	--	--	--	--	--	508.0	82.7
	--	--	--	--	--	273.1	14.8
Helmet field.....	--	--	--	--	--	406.4	50.5
	--	--	--	--	--	273.1	20.3
	--	--	--	--	--	219.1	5.8
Jedney and Bubbles fields.....	--	--	--	--	--	323.9	50.7
Junior and Sierra fields.....	--	--	--	--	--	273.1	11.3
	--	--	--	--	--	609.6	62.5
	--	--	--	--	--	406.4	58.2
	--	--	--	--	--	323.9	13.1
Kobes and Townsend fields.....	--	--	1	4.45	--	323.9	30.4
	--	--	--	--	--	219.1	8.9
Kotcho Lake field.....	--	--	--	--	--	325.9	15.6
Kotcho Lake East field.....	--	--	--	--	--	273.1	18.5
Laprise Creek field.....	--	--	1	5.85	--	323.9	38.3
	--	--	--	--	--	168.3	4.0
Milligan-Poojay system.....	--	--	1	2.98	--	325.9	91.8
	--	--	--	--	--	273.1	37.7
	--	--	--	--	--	219.1	21.2
	--	--	--	--	--	168.3	10.9
Monias field.....	--	--	--	--	--	219.1	32.6
Montney field.....	--	--	--	--	--	114.3	11.9
Nig field.....	--	--	--	--	--	406.4	45.5
	--	--	--	--	--	168.3	3.7
Oak field.....	--	--	--	--	--	406.4	55.3
	--	--	--	--	--	168.3	1.4
Parkland field.....	--	--	--	--	--	219.1	10.8
	--	--	--	--	--	273.1	19.0
Pettet-Louise system.....	--	--	--	--	--	323.9	25.4
	--	--	--	--	--	406.4	10.9
	--	--	--	--	--	508.0	41.7
	--	--	--	--	--	114.3	12.4
Red Creek field.....	--	--	1	5.07	--	323.9	17.9
Rigel field.....	--	--	1	1.04	--	273.1	18.5
	--	--	--	--	--	168.3	10.6
Rigel North field.....	--	--	--	--	--	323.9	10.9
Sierra field.....	--	--	--	--	--	406.4	10.9
	--	--	--	--	--	406.4	72.1
Silver-Dahl area.....	--	--	--	--	--	273.1	62.3
	--	--	--	--	--	219.1	10.1
	--	--	--	--	--	168.3	9.7
Stoddart field.....	--	--	1	1.04	--	219.1	10.1
Yoyo field.....	--	--	--	--	--	610.0	77.2

Table P17 - Processing Plants, 1982

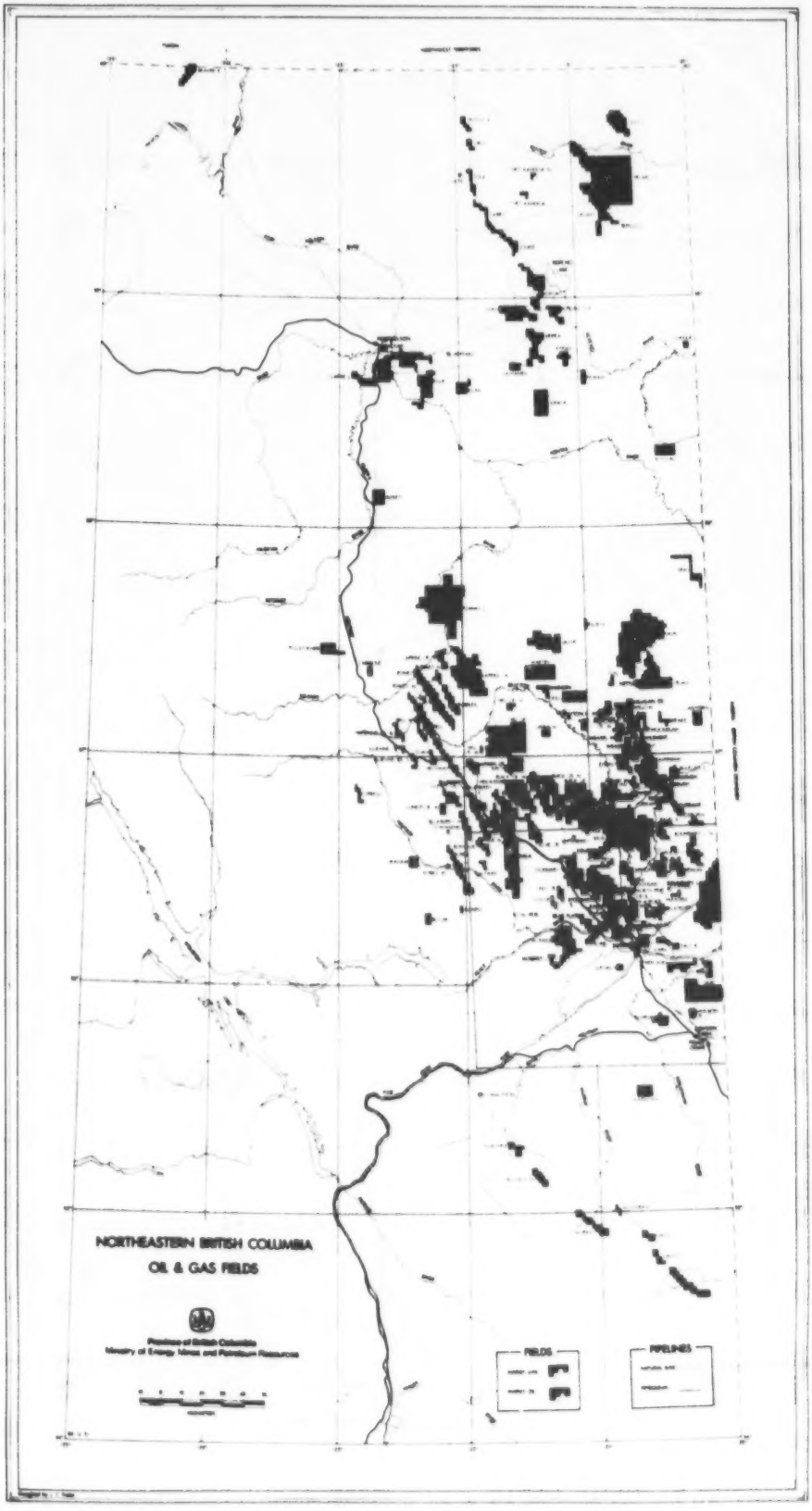
Operator	Location	Fields Served	Plant Type	Year of First Operation	Plant Capacity 10^3m^3/Day In	Plant Capacity 10^3m^3/Day Out	Natural Gas	Residual Gas to-
BP Exploration Canada Limited	Unit 77, Block E, NTS Map 95-P-3	Bulimoose	Inlet separator, Mole sieve, dehydration, DEA glycol fuel gas treating	1980	2 002	1 974	.....	Westcoast Transmission Co. Ltd.
BP Exploration Canada Limited	Unit 69, Block B, NTS Map 93-P-5	Sukunka and Sukunka West	Inlet separator, Mole sieve, dehydration, DEA glycol fuel gas treating	1980	2 564	2 536	.....	Westcoast Transmission Co. Ltd.
Esso Resources Canada	SE 1/4, Sec.2 Tp. 85, Rge. 14 W6M	Boundary Lake	Inlet separator, MEA absorption, treating, glycol absorption, dehydration, combined refrigeration and oil absorption, natural gas liquid recovery distillation	1964	990	480	Pentanes plus, propane-butane mix	Westcoast Transmission Co. Ltd.
Mobil Oil of Canada Ltd.	Unit 91, Block D, NTS Map 94-I-14	Sierra and Sahtaneh	Inlet separator, dry desiccant dehydration	1969	8 761	8 705	.....	Westcoast Transmission Co. Ltd.
Oakwood Petroleums Ltd.	Unit 74, Block G, NTS Map 93-I-15	Grizzly North, Unit 1	Inlet separator, TEG dehydration, inlet compression	1978	1 416	1 416	.....	Westcoast Transmission Co. Ltd.
	Unit 74, Block G, NTS Map 93-I-15	Grizzly North, Unit 2	Inlet separator, molecular sieve, dehydration	1980	2 400	2 400	.....	Westcoast Transmission Co. Ltd.
	Unit 25, Block A, NTS Map 93-I-15	Grizzly South	Inlet separator, TEG dehydration, inlet compression	1980	1 416	1 416	.....	Westcoast Transmission Co. Ltd.
Petro-Canada	Sec. 36, Tp. 82, Rge. 18, W6M	All B. C. producing gas fields except Parkland and Boundary Lake that are between 56° and 58° latitude	Inlet separator, MEA treating, dry desiccant dehydration, oil absorption, distillation	1957	14 200	12 900	Condensate, pentanes plus, propanes, butanes	Westcoast Transmission Co. Ltd.
Westcoast Transmission Co.Ltd.	NW 1/4 Sec. 10, Tp.85, Rge. 14, W6M	Boundary Lake	MEA absorption dehydration	1961	279	265	Condensate	Westcoast Transmission Co. Ltd.
Westcoast Transmission Co.Ltd.	Unit 85, Block G, NTS Map 94-J-10	All B. C. producing gas fields including Sierra and Sahtaneh north of 58° latitude	Potassium carbonate, MEA DEA absorption, dehydration	1965	27 750	22 654	.....	Westcoast Transmission Co. Ltd.
Westcoast Transmission Co.Ltd.	Unit 85, Block D, NTS Map 93-P-12	Grizzly, Sukunka, and Bullmoose	Sulfinol gas sweetening dehydration	1980	5 400	4 250		

Table P18 - Sulphur Plants, 1983

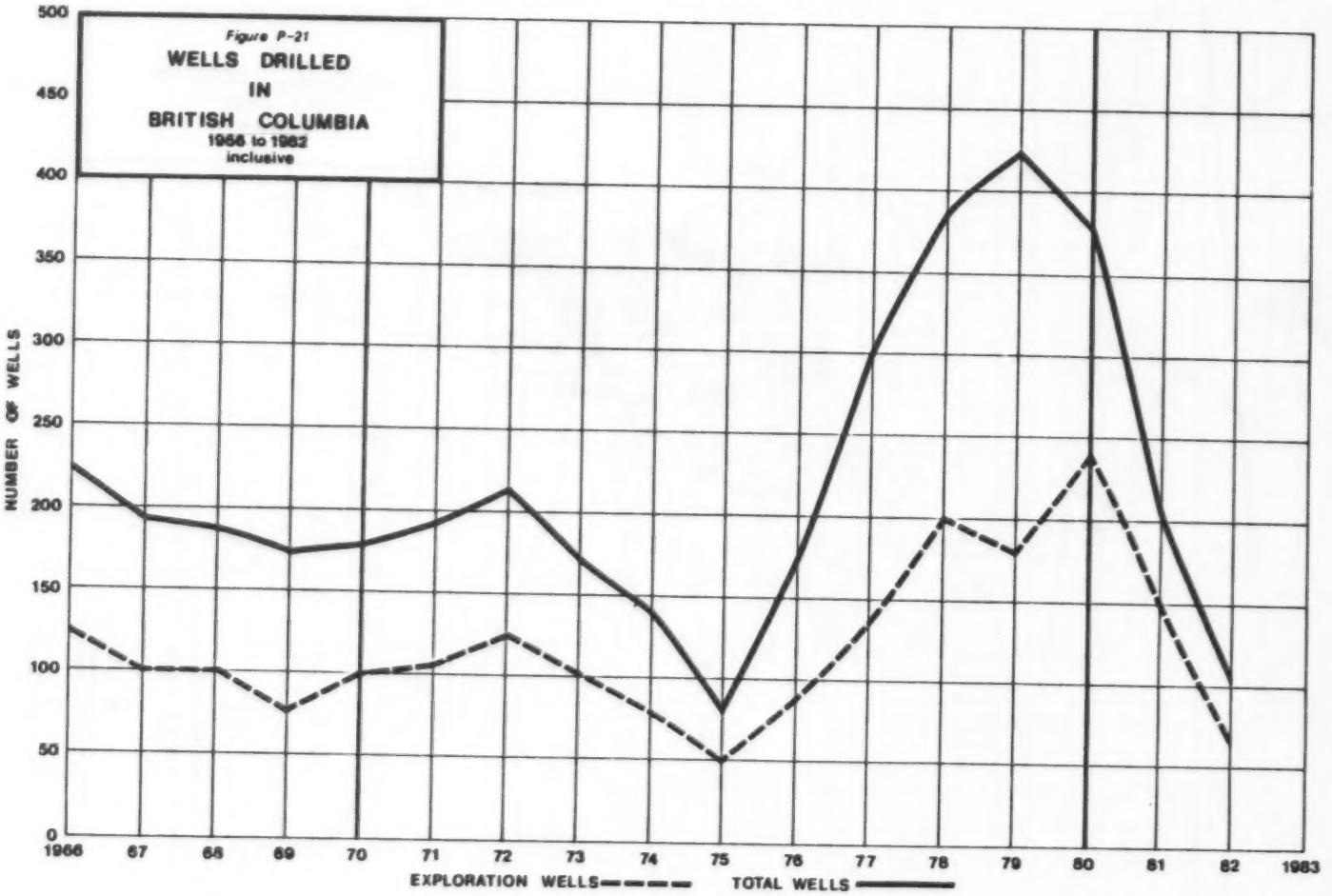
Name	Location	Raw Material	Principal Product	Year of First Operation	Capacity Tonnes/Day
Westcoast Transmission Co. Ltd.	Taylor	Hydrogen sulphide	Sulphur	1957	465
Westcoast Transmission Co. Ltd.	Fort Nelson	Hydrogen sulphide	Sulphur	1976	675
Westcoast Transmission Co. Ltd.	Pine River	Hydrogen sulphide	Sulphur	1980	1 075



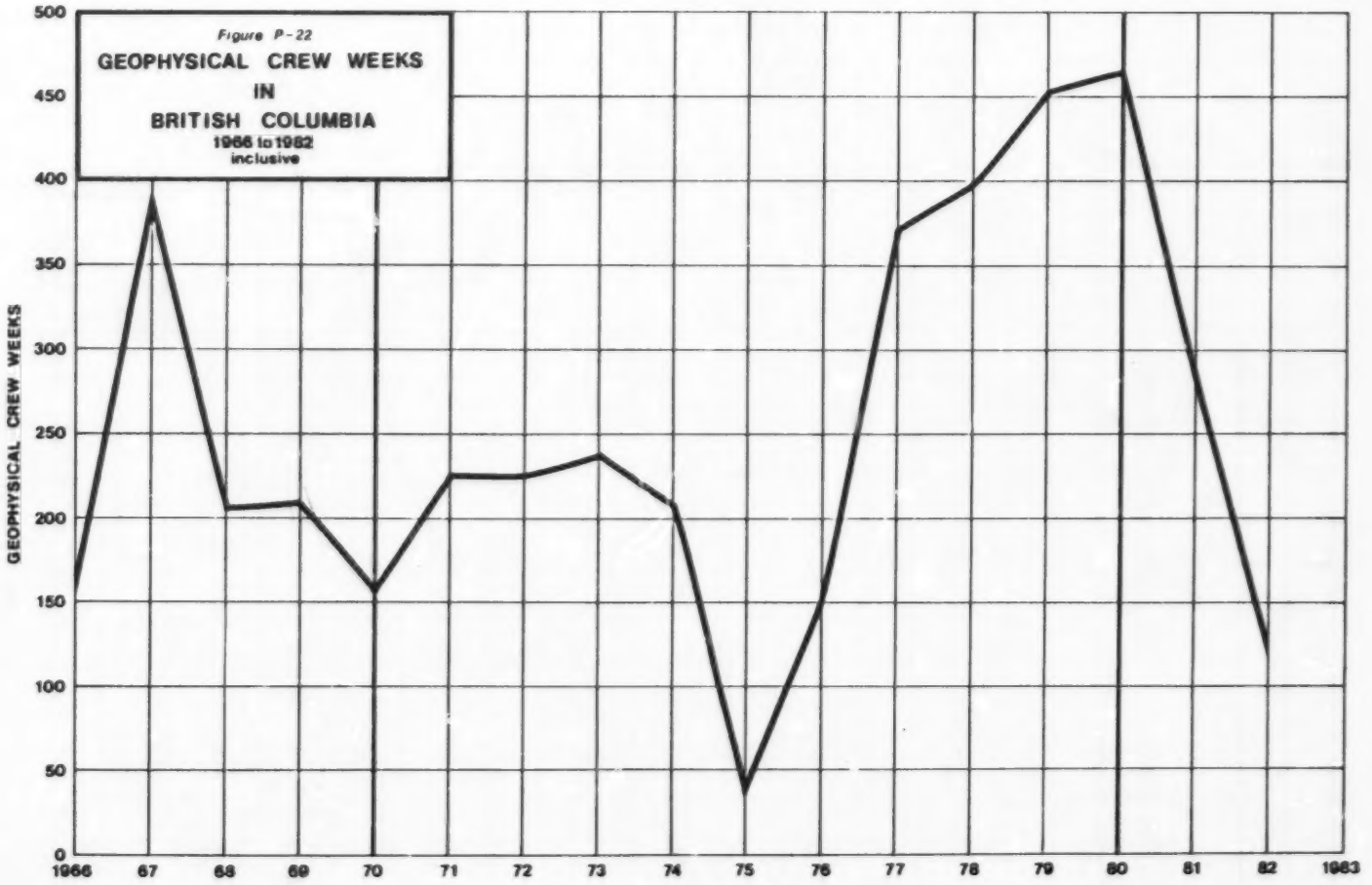
P19. Metres Drilled in British Columbia, 1947-1982



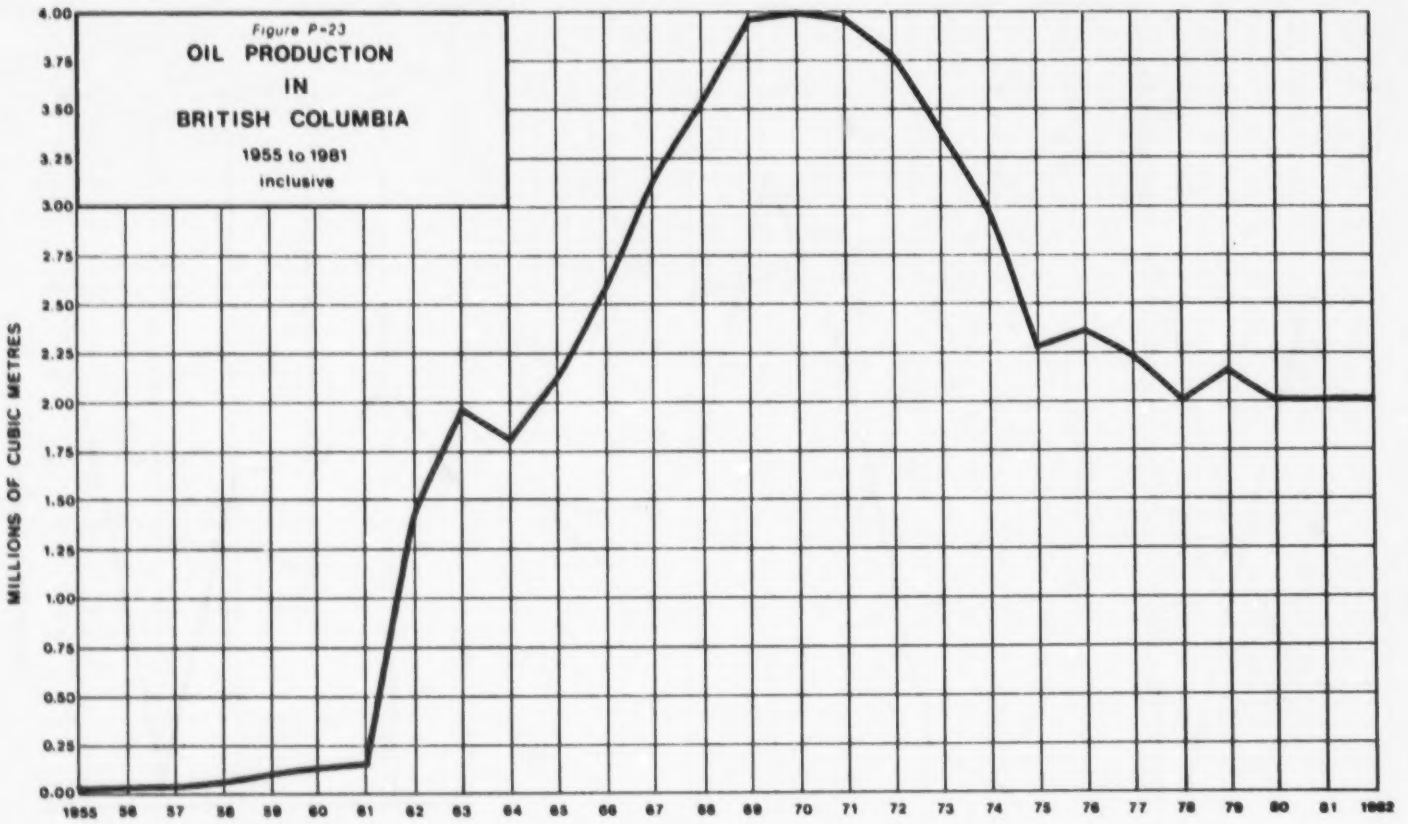
P20. Northeastern British Columbia Oil and Gas Fields



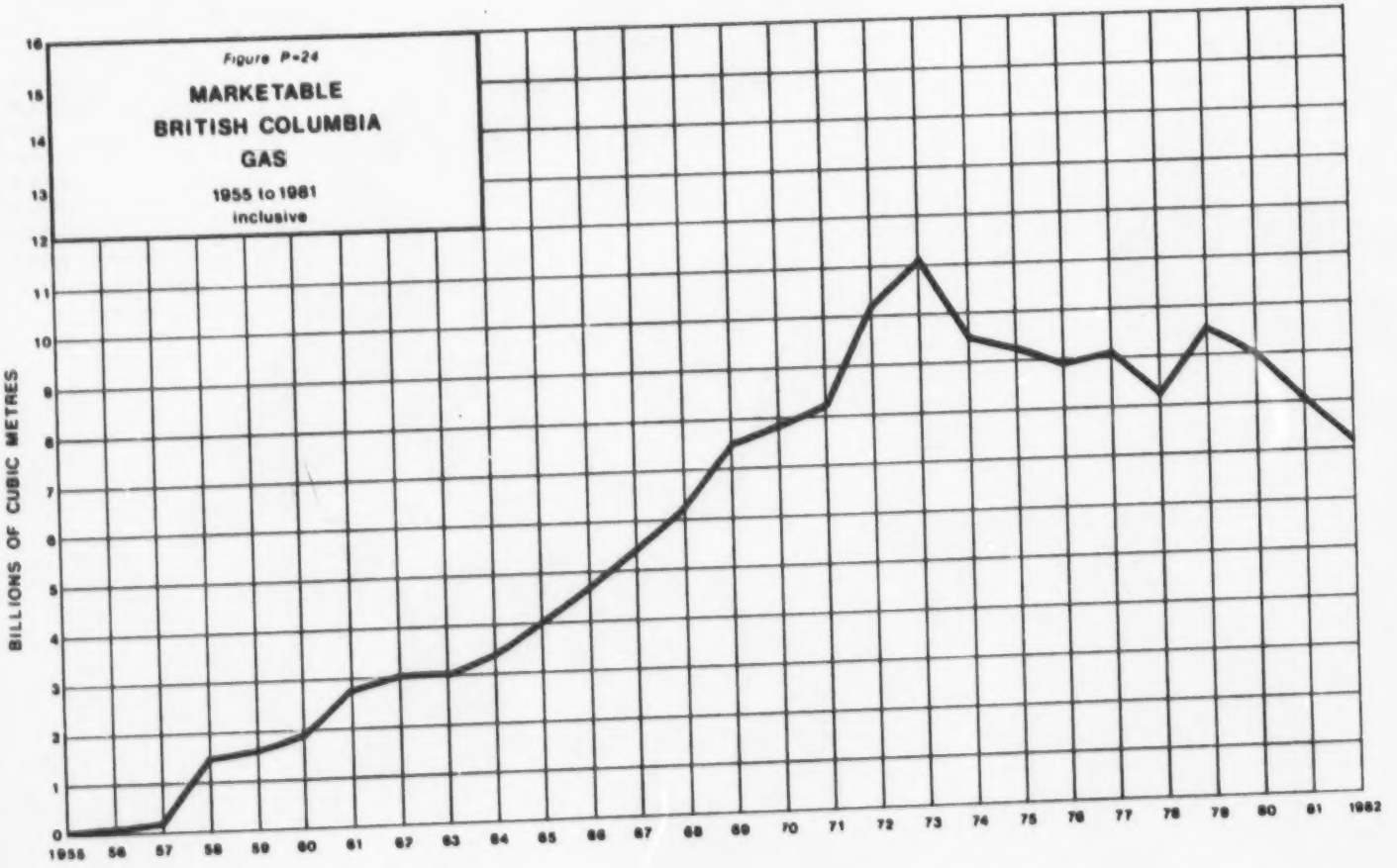
P21. Wells Drilled in British Columbia, 1966-1982



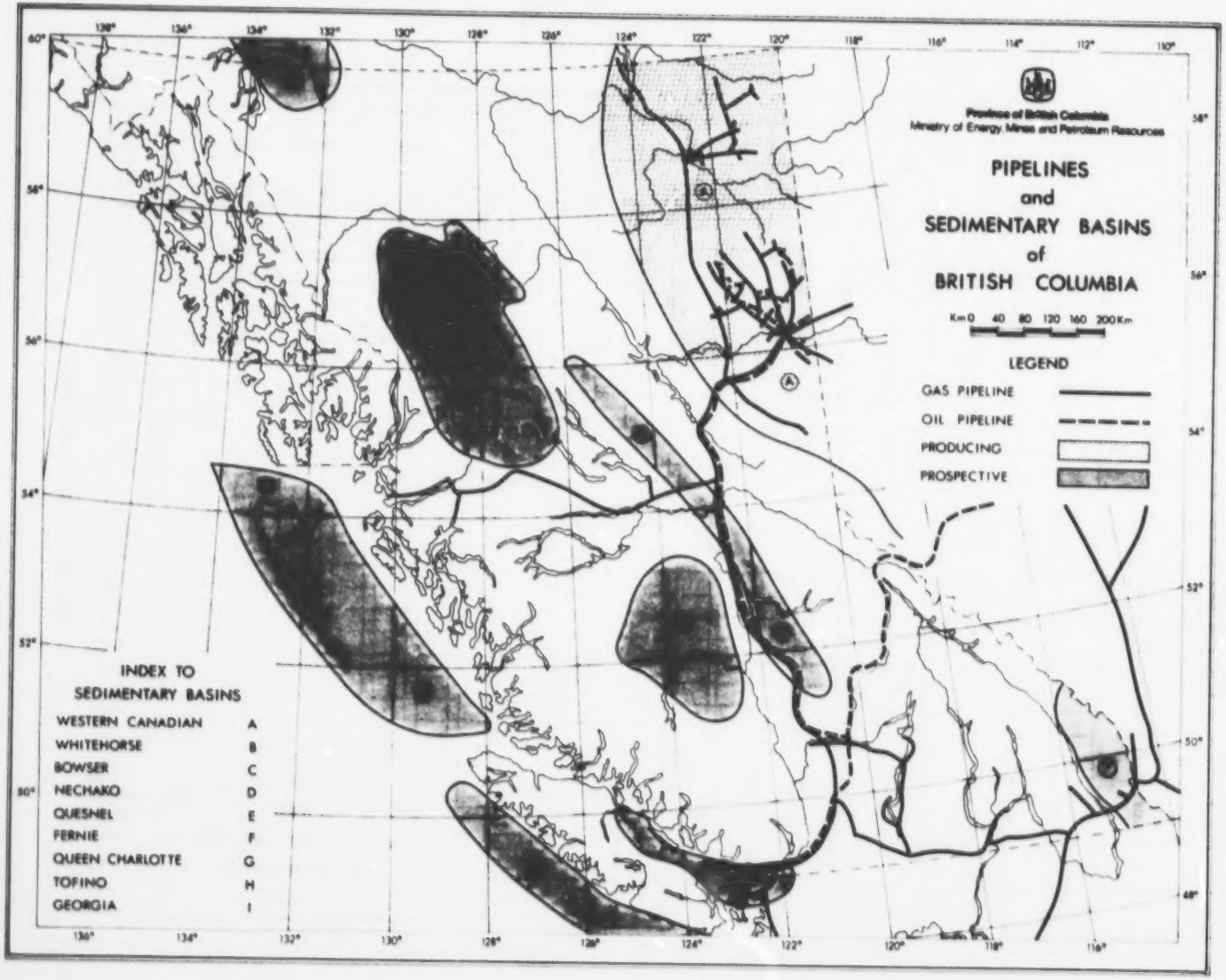
P22. Geophysical Crew Weeks in British Columbia, 1966-1982



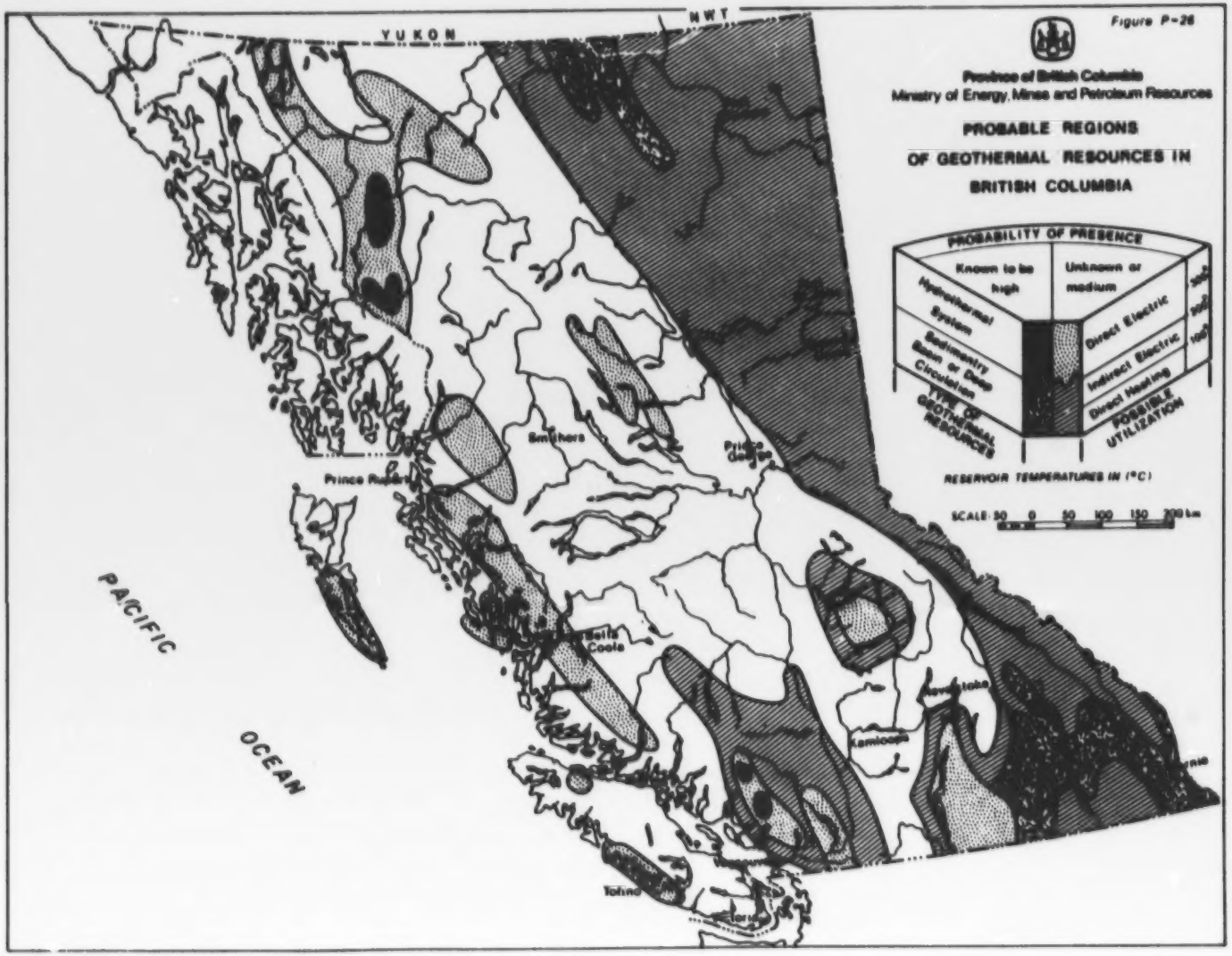
P23. Oil Production in British Columbia, 1955-1982



P24. Gas Production in British Columbia, 1955-1982



P25. Pipelines and Sedimentary Basins of British Columbia



P26. Probable Regions of Geothermal Resources in British Columbia